```
=> d his full

     (FILE 'HOME' ENTERED AT 15:31:15 ON 15 SEP 2005)

     FILE 'HCAPLUS' ENTERED AT 15:31:20 ON 15 SEP 2005
L1            1 SEA ABB=ON  PLU=ON  (US2004167214 OR US6946243 OR US2002022245)
                /PN OR (US2004-785043# OR US2001-907440# OR US2000-219672#)/AP,
                PRN

     FILE 'REGISTRY' ENTERED AT 15:33:05 ON 15 SEP 2005

     FILE 'HCAPLUS' ENTERED AT 15:33:05 ON 15 SEP 2005
L2            TRA L1 1- RN :        3 TERMS

     FILE 'REGISTRY' ENTERED AT 15:33:05 ON 15 SEP 2005
L3            3 SEA ABB=ON  PLU=ON  L2

     FILE 'WPIX' ENTERED AT 15:33:07 ON 15 SEP 2005
L4            1 SEA ABB=ON  PLU=ON  (US2004167214 OR US6946243 OR US2002022245)
                /PN OR (US2004-785043# OR US2001-907440# OR US2000-219672#)/AP,
                PRN

=> b hcap;d all l1 tot
FILE 'HCAPLUS' ENTERED AT 15:33:42 ON 15 SEP 2005
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FILE COVERS 1907 - 15 Sep 2005  VOL 143 ISS 12
FILE LAST UPDATED: 14 Sep 2005  (20050914/ED)

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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.


L1   ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2005 ACS on STN
AN   2002:89890  HCAPLUS
DN   136:129027
ED   Entered STN:  01 Feb 2002
TI   Drug screening method for the treatment and prophylaxis of obesity
IN   Hebebrand, Johannes; Antel, Jochen; Preuschoff, Ulf; David, Samuel; Sann,
     Holger; Weske, Michael
PA   Solvay Pharmaceuticals G.m.b.H., Germany
SO   PCT Int. Appl., 27 pp.
     CODEN: PIXXD2
DT   Patent
LA   German
IC   ICM  A61P001-00
     ICS  G01N033-50
CC   1-1 (Pharmacology)
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
```

PI	WO 2002007821	A1	20020131	WO 2001-EP8051	20010712
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	DE 10035227	A1	20020131	DE 2000-10035227	20000720
	CA 2416647	AA	20030120	CA 2001-2416647	20010712
	EP 1307262	A1	20030507	EP 2001-955345	20010712
	EP 1307262	B1	20041006		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	BR 2001012547	A	20030701	BR 2001-12547	20010712
	JP 2004504053	T2	20040212	JP 2002-513551	20010712
	AT 278441	E	20041015	AT 2001-955345	20010712
	NZ 523960	A	20041224	NZ 2001-523960	20010712
	PT 1307262	T	20041231	PT 2001-955345	20010712
	ES 2230346	T3	20050501	ES 2001-1955345	20010712
	US 2002022245	A1	20020221	US 2001-907440	20010718 <--
	ZA 2003000444	A	20040416	ZA 2003-444	20030116
	NO 2003000233	A	20030319	NO 2003-233	20030117
	US 2004167213	A1	20040826	US 2004-785042	20040225 <--
	US 2004167214	A1	20040826	US 2004-785043	20040225 <--
PRAI	DE 2000-10035227	A	20000720		
	US 2000-219672P	P	20000721 <--		
	WO 2001-EP8051	W	20010712		
	US 2001-907440	A3	20010718 <--		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2002007821	ICM	A61P001-00
	ICS	G01N033-50
WO 2002007821	ECLA	C12Q001/527
DE 10035227	ECLA	C12Q001/527
JP 2004504053	FTERM	2G045/BB01; 2G045/BB51; 2G045/CB01; 2G045/FB01; 2G045/FB08; 4B063/QA01; 4B063/QA05; 4B063/QA18; 4B063/QQ08; 4B063/QR18; 4B063/QR77; 4B063/QS36; 4B063/QX07; 4C084/AA17; 4C084/NA14; 4C084/ZA702
PT 1307262	ECLA	C12Q001/527
US 2002022245	NCL	435/026.000
	ECLA	C12Q001/527 <--
US 2004167213	NCL	514/517.000
	ECLA	C12Q001/527 <--
US 2004167214	NCL	514/517.000
	ECLA	C12Q001/527 <--

AB The invention relates to a method for screening compds. that can be used for the treatment and prophylaxis of obesity; the ability of the screened compds. to inhibit de novo lipogenesis in mammals and humans is determined Also disclosed is the use of compds. which are capable of inhibiting de novo lipogenesis in mammals in the production of drugs for the treatment and/or prophylaxis of obesity. Compds. that inhibit carboanhydrase subtypes II and V are selected by using adipocytes, hepatocytes or genetically produced enzymes. Selected compds. are also tested for anticonvulsant activity. Expts. with topiramate are reported.

ST drug screening obesity lipogenesis carboanhydrase inhibition topiramate antiobesity agent

IT Adipose tissue
(adipocyte; drug screening method for treatment and prophylaxis of obesity)

IT Anticonvulsants
Antiobesity agents

Drug screening
Human
Obesity
(drug screening method for treatment and prophylaxis of obesity)
IT Lipids, biological studies
RL: PAC (Pharmacological activity); BIOL (Biological study)
(formation of; drug screening method for treatment and prophylaxis of obesity)
IT Liver
(hepatocyte; drug screening method for treatment and prophylaxis of obesity)
IT 452-35-7, Ethoxzolamide 97240-79-4, Topiramate
RL: PAC (Pharmacological activity); BIOL (Biological study)
(drug screening method for treatment and prophylaxis of obesity)
IT 9001-03-0, Dehydratase, carbonate
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibition of; drug screening method for treatment and prophylaxis of obesity)
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Genentech Inc; WO 9409813 A 1994 HCAPLUS
(2) Hellerstein, M; EUROPEAN JOURNAL OF CLINICAL NUTRITION 1999, V53(1), P53
(3) Supuran, C; EXPERT OPINION ON THERAPEUTIC PATENTS V10(5), P575 HCAPLUS

=> b reg;d ide l3 tot
FILE 'REGISTRY' ENTERED AT 15:33:47 ON 15 SEP 2005
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DICTIONARY FILE UPDATES: 14 SEP 2005 HIGHEST RN 863180-19-2

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TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

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```
**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now     *
* available and contains the CA role and document type information. *
*                                                                    *
**********************************************************************
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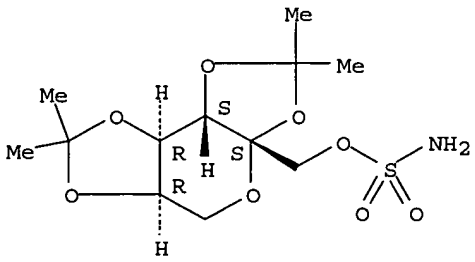
Structure search iteration limits have been increased. See HELP SLIMITS
for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

L3 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN
RN **97240-79-4** REGISTRY
ED Entered STN: 21 Jul 1985

CN β-D-Fructopyranose, 2,3:4,5-bis-O-(1-methylethylidene)-, sulfamate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 5H-Bis[1,3]dioxolo[4,5-b:4',5'-d]pyran, β-D-fructopyranose deriv.
OTHER NAMES:
CN 2,3:4,5-Bis-O-(1-methylethylidene) β-D-fructopyranose sulfamate
CN Epitomax
CN McN 4853
CN RWJ 17021
CN Topamax
CN Topiramate
CN Topomax
FS STEREOSEARCH
MF C12 H21 N O8 S
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PATDPASPC, PHAR, PROMT, PROUSDDR, PS, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: WHO

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

718 REFERENCES IN FILE CA (1907 TO DATE)
13 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
726 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN
RN 9001-03-0 REGISTRY
ED Entered STN: 16 Nov 1984
CN Dehydratase, carbonate (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Anhydrase
CN Carbonate anhydrase
CN Carbonate dehydratase
CN Carbonic acid anhydrase
CN Carbonic anhydrase
CN Carboxyanhydrase
CN E.C. 4.2.1.1
DR 9044-52-4, 9052-41-9
MF Unspecified
CI MAN
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PROMT, TOXCENTER, USPAT2, USPATFULL

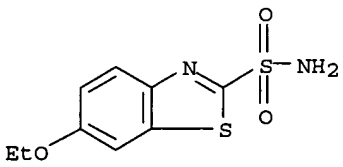
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9577 REFERENCES IN FILE CA (1907 TO DATE)
316 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
9599 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN
RN **452-35-7** REGISTRY
ED Entered STN: 16 Nov 1984
CN 2-Benzothiazolesulfonamide, 6-ethoxy- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 6-Ethoxy-2-benzothiazolesulfonamide
CN Cardrase
CN Diuretic C
CN Ethamide
CN Ethoxyzolamide
CN Ethoxzolamide
CN Etoxzolamide
CN Glaucotensil
CN L 643786
CN NSC 10679
CN PNU 4191
CN Redupresin
CN U 4191
FS 3D CONCORD
MF C9 H10 N2 O3 S2
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, PS, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

273 REFERENCES IN FILE CA (1907 TO DATE)
10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
274 REFERENCES IN FILE CAPLUS (1907 TO DATE)
23 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> b wpix;d all l4 tot
FILE 'WPIX' ENTERED AT 15:33:56 ON 15 SEP 2005
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FILE LAST UPDATED: 12 SEP 2005 <20050912/UP>

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MOST RECENT DERWENT UPDATE:     200558        <200558/DW>
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    DOCUMENTATION NOW AVAILABLE IN DERWENT WORLD PATENTS INDEX
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    PLEASE CHECK:
http://thomsonderwent.com/support/dwpiref/reftools/classification/code-revision/
    FOR DETAILS. <<<
'BIX BI,ABEX' IS DEFAULT SEARCH FIELD FOR 'WPIX' FILE



L4   ANSWER 1 OF 1  WPIX  COPYRIGHT 2005 THE THOMSON CORP on STN
AN   2002-180498 [24]   WPIX
DNC  C2002-056198
TI   Selection and use of lipogenesis inhibitors for the treatment and
     prevention of obesity.
DC   B05
IN   ANTEL, J; DAVID, S; HEBEBRAND, J; PREUSCHOFF, U; SANN, H; WESKE, M
PA   (SOLV) SOLVAY PHARM GMBH; (ANTE-I) ANTEL J; (DAVI-I) DAVID S; (HEBE-I)
     HEBEBRAND J; (PREU-I) PREUSCHOFF U; (SANN-I) SANN H; (WESK-I) WESKE M
CYC  97
PI   DE 10035227      A1 20020131 (200224)*       6    A61K031-7004
     US 2002022245    A1 20020221 (200224)            C12Q001-32     <--
     WO 2002007821    A1 20020131 (200224)  GE        A61P001-00
        RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ
            NL OA PT SD SE SL SZ TR TZ UG ZW
         W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DK DM
            DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
            LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD
            SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
     AU 2001077534    A  20020205 (200236)            A61P001-00
     NO 2003000233    A  20030319 (200328)            C12Q001-34
     EP 1307262       A1 20030507 (200332)  GE        A61P001-00
         R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT
            RO SE SI TR
     SK 2003000061    A3 20030603 (200345)            A61P001-00
     CZ 2003000156    A3 20030618 (200347)            G01N033-50
     KR 2003022284    A  20030315 (200350)            C12Q001-32
     BR 2001012547    A  20030701 (200356)            A61P001-00
     CN 1443085       A  20030917 (200382)            A61P001-00
     HU 2003002309    A2 20031128 (200405)            A61P001-00
     JP 2004504053    W  20040212 (200413)      37    C12Q001-527
     US 2004167213    A1 20040826 (200457)#           A61K031-255
     US 2004167214    A1 20040826 (200457)#           A61K031-34     <--
     MX 2002012907    A1 20030901 (200465)            A61P001-00
     EP 1307262       B1 20041006 (200466)  GE        A61P001-00
         R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC NL PT RO SE
            SI TR
     DE 50104023      G  20041111 (200474)            A61P001-00
     NZ 523960        A  20041224 (200506)            C12Q001-527
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ES 2230346 T3 20050501 (200532) A61P001-00
ADT DE 10035227 A1 DE 2000-10035227 20000720; US 2002022245 A1 **Provisional US 2000-219672P 20000721, US 2001-907440 20010718**; WO 2002007821 A1 WO 2001-EP8051 20010712; AU 2001077534 A AU 2001-77534 20010712; NO 2003000233 A WO 2001-EP8051 20010712, NO 2003-233 20030117; EP 1307262 A1 EP 2001-955345 20010712, WO 2001-EP8051 20010712; SK 2003000061 A3 WO 2001-EP8051 20010712, SK 2003-61 20010712; CZ 2003000156 A3 WO 2001-EP8051 20010712, CZ 2003-156 20010712; KR 2003022284 A KR 2003-700620 20030115; BR 2001012547 A BR 2001-12547 20010712, WO 2001-EP8051 20010712; CN 1443085 A CN 2001-812973 20010712; HU 2003002309 A2 WO 2001-EP8051 20010712, HU 2003-2309 20010712; JP 2004504053 W WO 2001-EP8051 20010712, JP 2002-513551 20010712; US 2004167213 A1 **Div ex US 2001-907440 20010718**, US 2004-785042 20040225; US 2004167214 A1 **Div ex US 2001-907440 20010718, US 2004-785043 20040225**; MX 2002012907 A1 WO 2001-EP8051 20010712, MX 2002-12907 20021219; EP 1307262 B1 EP 2001-955345 20010712, WO 2001-EP8051 20010712; DE 50104023 G DE 2001-00104023 20010712, EP 2001-955345 20010712, WO 2001-EP8051 20010712; NZ 523960 A NZ 2001-523960 20010712, WO 2001-EP8051 20010712; ES 2230346 T3 EP 2001-955345 20010712
FDT AU 2001077534 A Based on WO 2002007821; EP 1307262 A1 Based on WO 2002007821; SK 2003000061 A3 Based on WO 2002007821; CZ 2003000156 A3 Based on WO 2002007821; BR 2001012547 A Based on WO 2002007821; HU 2003002309 A2 Based on WO 2002007821; JP 2004504053 W Based on WO 2002007821; MX 2002012907 A1 Based on WO 2002007821; EP 1307262 B1 Based on WO 2002007821; DE 50104023 G Based on EP 1307262, Based on WO 2002007821; NZ 523960 A Based on WO 2002007821; ES 2230346 T3 Based on EP 1307262
PRAI DE 2000-10035227 20000720; US 2004-785042 20040225; **US 2004-785043 20040225**
IC ICM A61K031-255; A61K031-34; A61K031-7004; A61P001-00; C12Q001-32; C12Q001-34; C12Q001-527; G01N033-50
ICS A61K045-00; A61P003-00; A61P003-04; A61P003-06; C12Q001-02; G01N033-15; G01N033-68
AB DE 10035227 A UPAB: 20020416
NOVELTY - Compounds for the treatment and/or prevention of obesity are selected on the basis of their capability to inhibit de novo lipogenesis in mammals.
DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the use of compounds which are capable of inhibiting de novo lipogenesis in mammals and which have no anticonvulsant activity for the production of a medicament for the treatment and/or prevention of obesity.
ACTIVITY - Anorectic.
MECHANISM OF ACTION - Lipogenesis inhibitor; Carboanhydrase inhibitor.
No biological data given.
USE - For the treatment and prevention of obesity (claimed).
ADVANTAGE - The method is simple, rapid and avoids protracted and expensive in vivo tests, including feeding experiments on animals.
Dwg.0/0
FS CPI
FA AB
MC CPI: B11-C08E3; B12-K04A; B14-E12

=> b home

FILE 'HOME' ENTERED AT 15:33:59 ON 15 SEP 2005

=>

```
=> b reg
FILE 'REGISTRY' ENTERED AT 16:03:14 ON 15 SEP 2005
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STRUCTURE FILE UPDATES:   14 SEP 2005  HIGHEST RN 863180-19-2
DICTIONARY FILE UPDATES:  14 SEP 2005  HIGHEST RN 863180-19-2

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**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005.  A new display format, IDERL, is now     *
* available and contains the CA role and document type information.  *
*                                                                    *
**********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> d ide l25 tot

L25  ANSWER 1 OF 4  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   156657-03-3  REGISTRY
ED   Entered STN:  29 Jul 1994
CN   Dehydratase, carbonate (Arabidopsis thaliana clone CA2 gene ca18 precursor
     reduced) (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Carbonic anhydrase (Arabidopsis thaliana strain Columbia clone CA2
     gene ca18 precursor) E.C. 4.2.1.1
FS   PROTEIN SEQUENCE
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files:   CA, CAPLUS

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
               1 REFERENCES IN FILE CA (1907 TO DATE)
               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L25  ANSWER 2 OF 4  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   151186-40-2  REGISTRY
ED   Entered STN:  12 Nov 1993
CN   Dehydratase, carbonate (human gene CA5 isoenzyme V precursor reduced)
     (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Carbonic anhydrase V (human gene CA5 precursor) (E.C. 4.2.1.1)
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CN PN: US5972684 FIGURE: 3A-3F unclaimed protein
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L25 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN 149255-98-1 REGISTRY
ED Entered STN: 12 Aug 1993
CN Dehydratase, carbonate (Arabidopsis thaliana strain C24 precursor reduced) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1675: PN: EP1033405 SEQID: 48170 claimed protein
CN **Carbonic anhydrase (Arabidopsis thaliana strain Columbia clone CA1 gene ca18) E.C. 4.2.1.1**
CN Protein (Arabidopsis thaliana clone Ceres_2040730)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L25 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN 9001-03-0 REGISTRY
ED Entered STN: 16 Nov 1984
CN Dehydratase, carbonate (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Anhydrase
CN Carbonate anhydrase
CN Carbonate dehydratase
CN Carbonic acid anhydrase
CN Carbonic anhydrase
CN Carboxyanhydrase
CN **E.C. 4.2.1.1**
DR 9044-52-4, 9052-41-9
MF Unspecified
CI MAN
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PROMT, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9577 REFERENCES IN FILE CA (1907 TO DATE)

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            316 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
           9599 REFERENCES IN FILE CAPLUS (1907 TO DATE)


=> d his full

     (FILE 'HOME' ENTERED AT 15:31:15 ON 15 SEP 2005)

     FILE 'HCAPLUS' ENTERED AT 15:31:20 ON 15 SEP 2005
L1             1 SEA ABB=ON  PLU=ON  (US2004167214 OR US6946243 OR US2002022245)
                 /PN OR (US2004-785043# OR US2001-907440# OR US2000-219672#)/AP,
                 PRN

     FILE 'REGISTRY' ENTERED AT 15:33:05 ON 15 SEP 2005

     FILE 'HCAPLUS' ENTERED AT 15:33:05 ON 15 SEP 2005
L2             TRA L1 1- RN :        3 TERMS

     FILE 'REGISTRY' ENTERED AT 15:33:05 ON 15 SEP 2005
L3             3 SEA ABB=ON  PLU=ON  L2

     FILE 'WPIX' ENTERED AT 15:33:07 ON 15 SEP 2005
L4             1 SEA ABB=ON  PLU=ON  (US2004167214 OR US6946243 OR US2002022245)
                 /PN OR (US2004-785043# OR US2001-907440# OR US2000-219672#)/AP,
                 PRN

     FILE 'HCAPLUS' ENTERED AT 15:43:16 ON 15 SEP 2005
L5         39118 SEA ABB=ON  PLU=ON  (DRUG SCREENING+OLD OR HIGH THROUGHPUT
                 SCREENING)/CT
                 E ADIPOSE TISSUE/CT
                 E E3+ALL
L6         42082 SEA ABB=ON  PLU=ON  ADIPOSE TISSUE+NT/CT
                 E E13+ALL
                 E ANTIOBESITY AGENTS/CT
                 E E3+ALL
L7          6378 SEA ABB=ON  PLU=ON  ANTIOBESITY AGENTS+OLD/CT
                 E E8+ALL
L8          2397 SEA ABB=ON  PLU=ON  APPETITE DEPRESSANTS+OLD/CT
                 E E10+ALL
L9         15363 SEA ABB=ON  PLU=ON  APPETITE+NT/CT
                 E BODY WEIGHT/CT
                 E E3+ALL
L10        19783 SEA ABB=ON  PLU=ON  BODY WEIGHT/CT
L11        23805 SEA ABB=ON  PLU=ON  OBESITY+NT/CT
                 E LIPOGENESIS/CT
L12         4737 SEA ABB=ON  PLU=ON  ?LIPOGENES?
                 E LIPID/CT
                 E LIPIDS/CT
                 E E3+OLD,NT1
L13              QUE ABB=ON  PLU=ON  LIPIDS+OLD,NT1/CT OR LIPID#/CW
                 E FATTY ACIDS/CT
                 E E3+ALL
L14              QUE ABB=ON  PLU=ON  FATTY ACIDS+NT/CT
L15        45310 SEA ABB=ON  PLU=ON  (L13 OR L14) (L) FORMAT?
                 E LIPIDS+OLD,NT1
                 E LIPIDS+OLD,NT1/CT
                 E GLYCERIDES/CT
                 E E3+ALL
L16        97058 SEA ABB=ON  PLU=ON  GLYCERIDES+NT/CT
                 E PHOSPHOLIPIDS/CT
                 E E3+ALL
L17              QUE ABB=ON  PLU=ON  PHOSPHOLIPIDS+NT/CT
                 E PROTEOLIPIDS/CT
                 E E3+ALL
L18         1153 SEA ABB=ON  PLU=ON  PROTEOLIPIDS+OLD,NT/CT
                 E STEROIDS/CT
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                E E3+ALL
L19             QUE ABB=ON  PLU=ON  STEROIDS+NT/CT
                E SULFOLIPIDS/CT
                E E3+ALL
L20          2532 SEA ABB=ON  PLU=ON  SULFOLIPIDS+NT/CT
                E TERPENES/CT
                E E3+ALL
L21             QUE ABB=ON  PLU=ON  TERPENES+OLD,NT/CT

     FILE 'REGISTRY' ENTERED AT 15:58:26 ON 15 SEP 2005
L22             1 SEA ABB=ON  PLU=ON  L3 AND 9001-03-0
L23           914 SEA ABB=ON  PLU=ON  (CARBON? (1A)(ANHYDRASE? OR DEHYDRATASE?)
                OR CARBOXYANHYDRASE? OR CARBOXYDEHYDRATASE?)/CNS
L24             4 SEA ABB=ON  PLU=ON  ("EC4.2.1.1" OR "E.C.4.2.1.1" OR (EC OR
                E(W)C OR ENZYM? (W)CLASS?)(W)4(W)2(W)1(W)1)/CNS
L25             4 SEA ABB=ON  PLU=ON  (L22 OR L24)
L26           914 SEA ABB=ON  PLU=ON  (L23 OR L25)

     FILE 'HCAPLUS' ENTERED AT 16:03:54 ON 15 SEP 2005
L27         11772 SEA ABB=ON  PLU=ON  L26
L28         11524 SEA ABB=ON  PLU=ON  CARBON? (1A)(ANHYDRASE? OR DEHYDRATASE?)
                OR CARBOXYANHYDRASE? OR CARBOXYDEHYDRATASE?
L29           374 SEA ABB=ON  PLU=ON  "EC4.2.1.1" OR "E.C.4.2.1.1" OR (EC OR
                E(W)C OR ENZYM? (W)CLASS?)(W)4(W)2(W)1(W)1
L30         47013 SEA ABB=ON  PLU=ON  (FATS(1A)GLYCERID? (W)OIL#)/CW
L31         62749 SEA ABB=ON  PLU=ON  (L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR
                L30) (L) FORMAT?
L32            41 SEA ABB=ON  PLU=ON  L5 AND (L15 OR L31)
                E HEBEBRAND J/AU
L33            96 SEA ABB=ON  PLU=ON  ("HEBEBRAND J"/AU OR "HEBEBRAND JOHANNES"/A
                U)
                E ANTEL J/AU
L34            85 SEA ABB=ON  PLU=ON  ("ANTEL J"/AU OR "ANTEL J P"/AU OR "ANTEL
                JOCHEN"/AU)
                E PREUSCHOFF U/AU
L35            19 SEA ABB=ON  PLU=ON  ("PREUSCHOFF U"/AU OR "PREUSCHOFF ULF"/AU)
                E DAVID S/AU
L36           606 SEA ABB=ON  PLU=ON  ("DAVID S"/AU OR "DAVID S A"/AU OR "DAVID
                S B"/AU OR "DAVID S CHELLA"/AU OR "DAVID S D"/AU OR "DAVID S
                HARVEY"/AU OR "DAVID S I"/AU OR "DAVID S J"/AU OR "DAVID S
                K"/AU OR "DAVID S L"/AU OR "DAVID S N"/AU OR "DAVID S R"/AU OR
                "DAVID S S"/AU OR "DAVID S T"/AU OR "DAVID S THEODORE"/AU OR
                "DAVID S W"/AU OR "DAVID S Y HSU"/AU OR "DAVID SAM"/AU OR
                "DAVID SAMUEL"/AU OR "DAVID SAMUEL T"/AU OR "DAVID SAMUEL
                TOBIAS"/AU)
                E SANN H/AU
L37           248 SEA ABB=ON  PLU=ON  ("SANN H"/AU OR "SANN H J"/AU OR "SANN
                HOLGER"/AU)
                E WESKE M/AU
L38             8 SEA ABB=ON  PLU=ON  ("WESKE M"/AU OR "WESKE MICHAEL"/AU)
                E SOLVAY/CS,PA
L39          4099 SEA ABB=ON  PLU=ON  (SOLVAY/CS OR SOLVAY/PA)
L40           277 SEA ABB=ON  PLU=ON  (SOLVAY AND PHARM?)/CS,PA
L41             1 SEA ABB=ON  PLU=ON  L32 AND (L33 OR L34 OR L35 OR L36 OR L37
                OR L38 OR L39 OR L40)
L42            40 SEA ABB=ON  PLU=ON  L32 NOT L41
L43             0 SEA ABB=ON  PLU=ON  L42 AND (L27 OR L28 OR L29)
L44             1 SEA ABB=ON  PLU=ON  L42 AND ?CONVULS?
L45            36 SEA ABB=ON  PLU=ON  L42 AND PHARM?/CC,SX
L46          1088 SEA ABB=ON  PLU=ON  (L6 OR L7 OR L8 OR L9 OR L10) AND L5
L47           897 SEA ABB=ON  PLU=ON  L46 AND PHARM?/CC,SX
L48             1 SEA ABB=ON  PLU=ON  L47 AND (L33 OR L34 OR L35 OR L36 OR L37
                OR L38 OR L39 OR L40)
L49           896 SEA ABB=ON  PLU=ON  L47 NOT L48
L50             QUE ABB=ON  PLU=ON  PY<=2001 OR AY<=2001 OR PRY<=2001 OR
                PD<20010718 OR AD<20010718 OR PRD<20010718
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L51          575 SEA ABB=ON  PLU=ON  L49 AND L50
L52            0 SEA ABB=ON  PLU=ON  L51 AND (L27 OR L28 OR L29)
L53            3 SEA ABB=ON  PLU=ON  L49 AND (L27 OR L28 OR L29)
L54            2 SEA ABB=ON  PLU=ON  ("140:158645"/AN OR "143:166667"/AN OR
                 "2004:101274"/AN OR "2005:671727"/AN) AND L53
L55         3051 SEA ABB=ON  PLU=ON  (L27 OR L28 OR L29) (L) (II OR V)
L56            1 SEA ABB=ON  PLU=ON  L55 AND L53
L57            2 SEA ABB=ON  PLU=ON  (L54 OR L56)
L58           19 SEA ABB=ON  PLU=ON  L45 AND L50
L59            2 SEA ABB=ON  PLU=ON  L58 AND (STEROL OR HIGH DENSITY)/TI
L60            4 SEA ABB=ON  PLU=ON  (L57 OR L59)
L61            1 SEA ABB=ON  PLU=ON  (L41 OR L48)

     FILE 'MEDLINE' ENTERED AT 16:33:00 ON 15 SEP 2005
                 E OBESITY
                 E OBESITY/CT
                 E E3+ALL
L62              QUE ABB=ON  PLU=ON  OBESITY+NT/CT
                 E ANTI-OBESITY AGENTS/CT
                 E E3+ALL
L63          6209 SEA ABB=ON  PLU=ON  ANTI-OBESITY AGENTS+NT/CT
                 E APPETITE DEPRESSANTS/CT
                 E E3+ALL
L64          5464 SEA ABB=ON  PLU=ON  APPETITE DEPRESSANTS+NT/CT
                 E BODY WEIGHT/CT
                 E E3+ALL
L65        208751 SEA ABB=ON  PLU=ON  BODY WEIGHT+NT/CT
                 E DIET, REDUCING/CT
                 E E3+ALL
L66          6491 SEA ABB=ON  PLU=ON  DIET, REDUCING/CT
                 E ADIPOSE/CT
                 E E4+ALL
L67         43360 SEA ABB=ON  PLU=ON  ADIPOSE TISSUE+NT/CT
                 E E16+ALL
                 E LIPOGENESIS/CT
L68          3086 SEA ABB=ON  PLU=ON  ?LIPOGENES?
                 E DRUG SCREENING/CT
                 E E3+ALL
                 E E2+ALL
L69         87291 SEA ABB=ON  PLU=ON  DRUG EVALUATION, PRECLINICAL+NT/CT
                 E HIGH THROUGHPUT/CT
                 E IMMUNOASSAY/CT
                 E E3+ALL
L70              QUE ABB=ON  PLU=ON  IMMUNOASSAY+NT/CT
L71         13825 SEA ABB=ON  PLU=ON  (L62 OR L65)(L) (DT OR PC OR TH)/CT
L72         12180 SEA ABB=ON  PLU=ON  (L27 OR L28 OR L29 OR L55)
L73          4256 SEA ABB=ON  PLU=ON  (L62 OR L63 OR L64 OR L65 OR L66 OR L67 OR
                 L68) AND (L69 OR L70)
L74           431 SEA ABB=ON  PLU=ON  L72 AND AI/CT
L75             0 SEA ABB=ON  PLU=ON  L73 AND L74
L76             5 SEA ABB=ON  PLU=ON  L73 AND L72
L77             1 SEA ABB=ON  PLU=ON  83044339/AN AND L76
L78             8 SEA ABB=ON  PLU=ON  (L63 OR L64) AND (DRUG OR HIGH (W)THROUGHPU
                 T)(W)SCREEN?
L79             5 SEA ABB=ON  PLU=ON  (2003282145/AN OR 2004436179/AN OR
                 2004577939/AN OR 2005086830/AN OR 2005113488/AN) AND L78
L80            87 SEA ABB=ON  PLU=ON  (L62 OR L65 OR L66 OR L67 OR L68) AND
                 (DRUG OR HIGH (W)THROUGHPUT)(W)SCREEN?
L81            71 SEA ABB=ON  PLU=ON  L80 AND PY<=2001
L82             2 SEA ABB=ON  PLU=ON  (1998322719/AN OR 87240056/AN) AND L81
L83            12 SEA ABB=ON  PLU=ON  (L76 OR L79 OR L82)

=> b hcap; d all l61 tot
FILE 'HCAPLUS' ENTERED AT 16:59:05 ON 15 SEP 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 15 Sep 2005 VOL 143 ISS 12
FILE LAST UPDATED: 14 Sep 2005 (20050914/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

L61 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:89890 HCAPLUS
DN 136:129027
ED Entered STN: 01 Feb 2002
TI Drug screening method for the treatment and prophylaxis of obesity
IN **Hebebrand, Johannes; Antel, Jochen; Preuschoff, Ulf; David, Samuel; Sann, Holger; Weske, Michael**
PA **Solvay Pharmaceuticals** G.m.b.H., Germany
SO PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DT Patent
LA German
IC ICM A61P001-00
ICS G01N033-50
CC 1-1 (**Pharmacology**)
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002007821	A1	20020131	WO 2001-EP8051	20010712
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 10035227	A1	20020131	DE 2000-10035227	20000720
CA 2416647	AA	20030120	CA 2001-2416647	20010712
EP 1307262	A1	20030507	EP 2001-955345	20010712
EP 1307262	B1	20041006		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001012547	A	20030701	BR 2001-12547	20010712
JP 2004504053	T2	20040212	JP 2002-513551	20010712
AT 278441	E	20041015	AT 2001-955345	20010712
NZ 523960	A	20041224	NZ 2001-523960	20010712
PT 1307262	T	20041231	PT 2001-955345	20010712
ES 2230346	T3	20050501	ES 2001-1955345	20010712
US 2002022245	A1	20020221	US 2001-907440	20010718
ZA 2003000444	A	20040416	ZA 2003-444	20030116

	NO 2003000233	A	20030319	NO 2003-233	20030117
	US 2004167213	A1	20040826	US 2004-785042	20040225
	US 2004167214	A1	20040826	US 2004-785043	20040225
PRAI	DE 2000-10035227	A	20000720		
	US 2000-219672P	P	20000721		
	WO 2001-EP8051	W	20010712		
	US 2001-907440	A3	20010718		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2002007821	ICM	A61P001-00
	ICS	G01N033-50
WO 2002007821	ECLA	C12Q001/527
DE 10035227	ECLA	C12Q001/527
JP 2004504053	FTERM	2G045/BB01; 2G045/BB51; 2G045/CB01; 2G045/FB01; 2G045/FB08; 4B063/QA01; 4B063/QA05; 4B063/QA18; 4B063/QQ08; 4B063/QR18; 4B063/QR77; 4B063/QS36; 4B063/QX07; 4C084/AA17; 4C084/NA14; 4C084/ZA702
PT 1307262	ECLA	C12Q001/527
US 2002022245	NCL	435/026.000
	ECLA	C12Q001/527
US 2004167213	NCL	514/517.000
	ECLA	C12Q001/527
US 2004167214	NCL	514/517.000
	ECLA	C12Q001/527

AB The invention relates to a method for screening compds. that can be used for the treatment and prophylaxis of obesity; the ability of the screened compds. to inhibit de novo lipogenesis in mammals and humans is determined Also disclosed is the use of compds. which are capable of inhibiting de novo lipogenesis in mammals in the production of drugs for the treatment and/or prophylaxis of obesity. Compds. that inhibit carboanhydrase subtypes II and V are selected by using adipocytes, hepatocytes or genetically produced enzymes. Selected compds. are also tested for anticonvulsant activity. Expts. with topiramate are reported.

ST drug screening obesity lipogenesis carboanhydrase inhibition topiramate antiobesity agent

IT **Adipose tissue**
(adipocyte; drug screening method for treatment and prophylaxis of obesity)

IT Anticonvulsants
Antiobesity agents
Drug screening
Human
Obesity
(drug screening method for treatment and prophylaxis of obesity)

IT **Lipids, biological studies**
RL: PAC (Pharmacological activity); BIOL (Biological study)
(**formation** of; drug screening method for treatment and prophylaxis of obesity)

IT Liver
(hepatocyte; drug screening method for treatment and prophylaxis of obesity)

IT 452-35-7, Ethoxzolamide 97240-79-4, Topiramate
RL: PAC (Pharmacological activity); BIOL (Biological study)
(drug screening method for treatment and prophylaxis of obesity)

IT 9001-03-0, Dehydratase, carbonate
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibition of; drug screening method for treatment and prophylaxis of obesity)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Genentech Inc; WO 9409813 A 1994 HCAPLUS
(2) Hellerstein, M; EUROPEAN JOURNAL OF CLINICAL NUTRITION 1999, V53(1), P53
(3) Supuran, C; EXPERT OPINION ON THERAPEUTIC PATENTS V10(5), P575 HCAPLUS

=> d all l60 tot

L60 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2005:671727 HCAPLUS
DN 143:166667
ED Entered STN: 29 Jul 2005
TI The curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs
IN Ueno, Yuki; Tsuda, Takanori; Takanori, Hitoshi; Yoshikawa, Toshikazu; Osawa, Toshihiko
PA Biomarker Science Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 85 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM C12N005-02
ICS C12N015-09; C12Q001-68
CC 1-10 (**Pharmacology**)
Section cross-reference(s): 2, 3, 6, 7, 9, 14
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2005198640	A2	20050728	JP 2004-53258	20040227
PRAI JP 2003-394758	A	20031125		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 2005198640	ICM	C12N005-02
	ICS	C12N015-09; C12Q001-68
JP 2005198640	FTERM	4B024/AA01; 4B024/AA11; 4B024/CA01; 4B024/CA04; 4B024/CA09; 4B024/CA11; 4B024/HA08; 4B024/HA12; 4B024/HA20; 4B063/QA01; 4B063/QA18; 4B063/QQ02; 4B063/QQ08; 4B063/QQ52; 4B063/QR08; 4B063/QR42; 4B063/QR50; 4B063/QR55; 4B063/QR66; 4B063/QR72; 4B063/QR77; 4B063/QR82; 4B063/QS25; 4B063/QS28; 4B063/QS34; 4B063/QS36; 4B063/QS39; 4B063/QX01; 4B065/AA90X; 4B065/AC20; 4B065/BB22; 4B065/BD27; 4B065/BD28; 4B065/BD34

AB The curcuminoids- and anthocyanins-responsive gene expression profiles in adipocytes have been revealed. The curcuminoids- and anthocyanins-responsive genes are designed to be used as the index markers in the screenings of the substances that can affect the gene expression patterns in obesity and diabetes. These substances can be the candidates of anti-obesity and anti-diabetes drugs. Therefore, the groups of curcuminoids- and anthocyanins-responsive genes are intended to be used as markers in a form of kit such as DNA chip for the screening of anti-obesity and anti-diabetes drugs.
ST curcuminoid responsive gene protein sequence rat; anthocyanin responsive gene protein sequence rat; diet responsive gene protein sequence rat; human adipocyte gene expression profiling obesity diabetes drug screening; antiobesity drug screening DNA chip adipocyte transcription regulating substance; antidiabete drug screening DNA chip adipocyte transcription regulating substance
IT G protein-coupled receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(1, 51 and 58, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Neurotrophic factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Syntaxins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(10, gene for; curcuminoids- and anthocyanins-responsive genes in human

adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(14-3-3; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 5-HT receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(1A, 2A, 3A, and 4, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Metallothioneins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(1H, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Fibrillins
Thioredoxins
Tropomyosins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Sulfonylurea receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(2B, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Uncoupling protein
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT High-mobility group proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(3-UTR region of gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Connexins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(36, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(37 kDa leucine-rich repeat (LRR) protein; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(3CH134/CL100; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Growth hormone receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(3'-UTR of transcript of gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Splicing factors

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(4 and 11, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Connexins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(46, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Kinesins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(4A, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Syntaxins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(5, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Glycoproteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(55, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(A kinase (PRKA) anchor protein (yotiao) 9, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(A kinase (PRKA) anchor protein 7, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Calcium-binding proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(A14 S100, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Amyloid
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(A2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(A2A for spectrin α-fodrin; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Annexins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(A3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Amyloid precursor proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(A4, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ABC (ATP-binding cassette) transporters, genes for; curcuminoids- and

anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(ACP (acyl-carrier), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(ACS5; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(ADA2 sequence homolog; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(ADD 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(AGIE-BP1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(AIPL1 (aryl hydrocarbon receptor-interacting protein-like 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(AKAP12 (A-kinase anchor protein 12), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cell adhesion molecules
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ALCAM (activated leukocyte cell adhesion mol.), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(ALR; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(AMY-1 (associate of Myc-1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(AP-1 (activator protein 1), gene for; curcuminoids- and

anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(AP-2 (activator protein 2), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(AP-4, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(APMCF1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT ADP ribosylation factor
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ARF-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT ADP ribosylation factor
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ARF-3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ARNT (aryl hydrocarbon receptor nuclear translocator), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(ARPP 21; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(BACH; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(BAF53, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(BAP29 (B-cell receptor-associated), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(BOD (Bcl-2 related ovarian death); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(BRM (brahma), gene for; curcuminoids- and anthocyanins-responsive

genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(BTB and CNC, sequence homologs to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(BTG1, anti-proliferating protein; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(BTG3; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, microbial
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(BUB1, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(BX1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Bcl-2, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Bid; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cyclins
Filamin
Tenascins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(C, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chemokines
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(C-C, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chemokines
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(C-X3-C motif, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Agglutinins and Lectins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(C-type (calcium-dependent type), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(C/EBP (CCAAT/enhancer binding protein), gene for; curcuminoids- and

anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(C1q tumor necrosis factor related protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CAF-1 (chromatin assembly factor I), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CART (cocaine- and amphetamine-regulated transcript), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CASP8 associated protein 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chemokine receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CCRL1 (chemokine (C-C motif) receptor-like 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT CD antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CD106, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT CD antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CD146, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT CD antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CD149, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CD163, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT CD antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CD209, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CD2AP (CD2-associated protein); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT CD antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CD54, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT CD antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CD85, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and

anti-diabetes drugs)
IT CD antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CD97, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CGI-04 and CGI-96, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CIDE-3 cell death activator, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(CKR; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(CL-6; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(COMP (cartilage oligomeric matrix protein), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(COP9, photomorphogenic, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(CPN10; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CREB (cAMP-responsive element-binding), sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(CREB (cAMP-responsive element-binding); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(CREM (cAMP-responsive element modulator), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological

study)
(CYP1B1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(CYP2B15; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(CYP51; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(CaM-PDE; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(Cbr; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chloride channel
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ClC-5, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(Col12a1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Platelet-derived growth factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(D, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cyclins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(D1, PRAD1 parathyroid adenomatosis 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cyclins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(D2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(DAF; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and

anti-diabetes drugs)
IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(DBP for D-binding protein transcription factor; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(DCR-AKL; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(DDB2 (damage-specific DNA-binding protein 2), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(DKFZp434P211, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(DLP1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(DMC1 dosage suppressor of mck1 homolog, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Enzymes, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(DNA helicase, chromodomain, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Nucleic acid hybridization
(DNA-DNA, on DNA chip; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(DNA-binding, MARBP (MAR DNA binding protein); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(DNA-binding, RRNA promoter binding protein; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(DOCK1 (dedicator of cyto-kinesis 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)

(DPM2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(DPM2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(DRPLA for atrophin 1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(DiGeorge syndrome critical region gene 14; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Dmx, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Molecular chaperones
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(DnaJ, gene RDJ1 homolog, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transducins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(E(spl) homolog; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(E12; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(E217kB; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(E2A, E12, gene E12; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(E2F6, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(E74-like factor 4 ets domain, gene for; curcuminoids- and

anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(EBNA1 binding protein 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(EF1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(EGR1, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(EPS15 (epidermal growth factor receptor pathway substrate 15), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ERO1, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ETAA16, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(EphB6, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(F-box and leucine-rich repeat protein 4, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(FABP (fatty acid-binding protein), 3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Immunophilins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(FKBP (FK 506-binding protein), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(FOXO3A (forkhead box O3A), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(FRA-1 (fos-related antigen 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(FXYD domain containing ion transport regulator 5, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Fra-2 (c-fos-related antigen 2), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Frizzled, sequence homolog 1 to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT GABA receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(GABAB, 1c, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Tumor antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(GAGE, 6, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(GAST; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(GBP (guanylate-binding protein), interferon-inducible 1 and 2 isoforms, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(GCP364, Golgi apparatus-associated; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(GDI (GDP dissociation inhibitor), α and β, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(GLI pathogenesis-related 1 (glioma)-associated; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(GLUR4; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)

(GMS1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(GRB2 SH3-domain protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(GRP (glucose-regulated protein), GRP78, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(GTP cyclohydrolase I feedback regulatory protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(GTP-binding, Gαi1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(GTP-binding, Sara, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(Grb14; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Molecular chaperones
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(GroEL; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Molecular chaperones
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(GroES, gene CPN10; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Histones
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(H1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Histones
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(H2A, members L, O and B, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HCF-binding Zhangfei, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)

(HERV-H LTR-associating 3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HIF (hypoxia-inducible factor), 3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HIV-1 Tat interactive 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Histocompatibility antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HLA-B, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HMG-box containing protein 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT High-mobility group proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HMGA1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT High-mobility group proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HMGIC, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(HNF1β (hepatocyte nuclear factor 1β), gene NF1-B; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HOXA6, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HOXB6, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HP1-BP74, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(HPRT; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HRAS-like suppressor 3; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HSF1 (heat-shock factor 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HSF2 (heat-shock factor 2), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Heat-shock proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(HSP 27, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Heat-shock proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(HSP 27; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Heat-shock proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(HSP 70, gene hsp70.2 for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Heat-shock proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HSP 70-1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Heat-shock proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HSP 70-2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Heat-shock proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HSP 90, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(HSP70.2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(HepG2 3'; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(Hsp60; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Histamine receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(H1, gene for; curcuminoids- and anthocyanins-responsive genes in human

adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Synaptotagmin
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(I, 3' UTR of gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Troponins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(I, cardiac, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cyclins
Ferredoxins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(I, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cell adhesion molecules
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ICAM-1 (intercellular adhesion mol. 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Insulin-like growth factor-binding proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(IGFBP-3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Insulin-like growth factor-binding proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(IGFBP-5, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Secretogranins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(II, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(IIEβ, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(IIIC, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(IIIC, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(IL1RAP (interleukin 1 receptor accessory protein), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT GTPase-activating protein
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(IQ motif containing 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)

(IRF-3 (interferon regulatory factor 3), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(IRS (insulin receptor substrate), 4, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(IRS-1 (insulin receptor substrate 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Annexins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(IV, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Ig superfamily containing leucine-rich repeat, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Immunoglobulin receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(IgG type III, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(JAK2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cell adhesion molecules
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(JAM2 (junctional adhesion mol. 2), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(JIP-2 (c-Jun N-terminal kinase-interacting protein-2), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(KIAA0365; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(KIF5A (kinesin family member 5A), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(KLF2 (Kruppel-like factor 2), gene for; curcuminoids- and

anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(KLF3 (Kruppel-like factor 3), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(KOX 6 (zinc finger protein 14), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Kelch motif containing, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Kruppel-like factor 12; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Kruppel-type zinc finger (C2H2), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Ribosomal proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(L10, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Apolipoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(L3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(LAL; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(LDH-B; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(LDL induced protein EC, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Lipoprotein receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(LDL, 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(LGR4; curcuminoids- and anthocyanins-responsive genes in human

adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(LIM and senescent cell antigen, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(LIM domain-containing, α-actinin-2-associated; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(LIR-1 (leukocyte immunoglobulin-like receptor 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(LMO4 (LIM domain only 4), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(LRP5 (low d. lipoprotein receptor-related protein 5); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(LTBP (latent transforming growth factor β-binding protein), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(LYRIC; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(Lot1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(Lot1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(M13 for transcription factor fos; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(M2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and

anti-diabetes drugs)
IT Cyclins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(M4 and L ania-6a, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(M6P/IGF2r; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Glycoproteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(MAG (myelin-associated glycoprotein), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(MAL; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MAP (microtubule-associated protein), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MAP1b (microtubule-associated protein 1b), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MAP2 (microtubule-associated protein 2), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MASL1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MAX interacting, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MBD3 (methyl-CpG-binding domain protein 3), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)

(MC3-R; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cell adhesion molecules
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MCAM (melanoma cell adhesion mol.), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MCF2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MCM3 minichromosome maintenance deficient 3; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MCM5 minichromosome maintenance deficient 5; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MDS024, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(MEF-2 (myocyte-specific enhancer element-binding factor 2), gene MEF2D; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(MEF2D; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(MEK5; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(MEKK1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Histocompatibility antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MHC (major histocompatibility complex), class I, 1E, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Histocompatibility antigens
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(MHC (major histocompatibility complex), class I, gene RT1.EC3; curcuminoids- and anthocyanins-responsive genes in human adipocytes and

their use in screenings of anti-obesity and anti-diabetes drugs)
IT Histocompatibility antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MHC (major histocompatibility complex), class I, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Histocompatibility antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MHC (major histocompatibility complex), class II, DRβ1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(MIBP1 (c-myc intron-binding protein 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(MIC-1 (macrophage inhibiting compound-1); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MITF (microphthalmia-associated transcription factor), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MOBP (myelin-associated oligodendrocyte basic protein), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MTF-1 (metal-regulatory transcription factor 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(MYC-associated zinc finger protein (purine-binding), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Genetic element
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(Machado-Joseph disease (spinocerebellar ataxia 3; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(Mad1 (mothers against dpp 1); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(Max, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Enzymes, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Mevalonate diphospho carboxylase, gene for; curcuminoids- and

anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Mss4, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(Mss4; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(Mss4; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cadherins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(N-, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(N-myc downstream regulated gene 1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cell adhesion molecules
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(NCAM-L1 (neural cell adhesion mol. L1), sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(NCKAP1 (NCK-associated protein 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(NCKAP1 (NCK-associated protein 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(NCOR1 (nuclear receptor co-repressor 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(NEL sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(NF1-B; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)

(NGFI-A binding protein (EGR1 binding protein) 2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(NGFI-B, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(NP220 nuclear protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Atrial natriuretic peptide receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(NPR-A, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Atrial natriuretic peptide receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(NPR-C, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transport proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(NRAMP2 (natural resistance-associated macrophage protein 2), gene Nramp2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(NRGF-1 for nuclear receptor binding factor-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(NXF1 (nuclear RNA export factor 1), Tip associating protein; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cell adhesion molecules
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Ng-CAM (cell adhesion molecules, neuron-glia), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(Niemann-Pick disease-associated type C1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Enzymes, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Niphedipine oxidase, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(Nkcc1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Nogo, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(NonO/p54nrb, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Not56, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(O/E-1 (olfactory factor 1/early B cell factor-associated); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Tumor antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(OTCL tumor antigen se57-1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(Olf-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Selectins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(P-, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(P3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(P4Hα; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(PABP (poly(A)-binding protein), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(PACS-1a (phosphofurin acidic cluster sorting protein 1a); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)

(PAK-2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(PBX1 (pre-B-cell leukemia transcription factor 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(PC-1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(PC4 and SFRS1 interacting protein 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(PCD-E2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(PCM1 (pericentriolar material 1 protein), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(PDGFA associated protein 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(PEG-3 (progression elevated gene 3); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(PEK; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(PEST-containing nuclear protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(PET112, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(PEX11; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(PMF31; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(POZF-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(PP2A ARa; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(PPARδ; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(PRKCγ; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(PRL-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Splicing factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(PRP19, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT RNA processing factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(PRP4, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Phosphoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(PWP1 sequence homolog; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(Pan-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(Pim-3; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(Pmp26p, gene PEX11 for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Purinoceptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(P2Y, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RAB-8b, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT G proteins (guanine nucleotide-binding proteins)
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(RAB3, rab3C; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RAD50, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RAD51, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RAD54, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RAI (RelA-associated inhibitor), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(RAMP4; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Retinoic acid receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RAR-β, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RAS protein activator 2, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RBP1, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study,

unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(RDJ1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RECK (reversion-inducing cysteine-rich protein with Kazal motif), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(RESP18; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT DNA formation factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RF-A (replication factor A), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT DNA formation factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RF-C (replication factor C), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(RGC-32; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RIN1 (Ras and Rab interactor 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RING finger, 17, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RING finger, C3HC4 type, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(RL/IF-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(RN, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Enzymes, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RNA helicase, DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptides; curcuminoids- and anthocyanins-responsive genes in human adipocytes and

their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RNA-binding, 6 and 9, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RNA-binding, TAR (HIV) RNA binding protein 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RNA-binding, cold inducible, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RNA-binding, for CUG triplet repeat, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RNA-binding, staufen, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(RT1.EC3; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(RTP-β; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Retinoid X receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(RXRγ, gene RXRγ for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Retinoid X receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RXRγ, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(RXRγ; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(Rab; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT G proteins (guanine nucleotide-binding proteins)
RL: BSU (Biological study, unclassified); BIOL (Biological study)

(Rac, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(RagD, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(Ram-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(Rev-ErbA-β, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(Rev-erbA-α; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Ribosomal proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(S28, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Ribosomal proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(S30, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Ribosomal proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(S35, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Ribosomal proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(S8, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(SALT-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(SBK; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(SCL; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and

anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(SEC13, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Splicing factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(SF2 (splicing factor 2), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Splicing factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(SF3A1 (splicing factor 3a subunit 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(SHB (Src homol. 2 domain- containing) adaptor protein B, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(SIRP-α (signal regulatory protein-α), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(SKP2 (S-phase kinase-associated protein 2), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(SLC2A4 regulator, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(SMC1 and SMC4 structure maintenance, sequence homologs to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(SMT3 suppressor, sequence homologs to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(SNURF; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(SRY (sex determining region Y)-box 17; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(SSR (signal sequence receptor), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(START domain containing 3; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(STOP (stable tubule-only protein), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(SWI/SNF related matrix associated; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Sec23, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Sec61, α subunit, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(Sec7B; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Smad-5, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(Snail, sequence homolog 2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(Sp1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(StAR (steroidogenic acute regulatory), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cadherins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(T-, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(TAF6-like RNA polymerase II, p300/CBP-associated factor; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)

(TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(TAL1 (SCL) interrupting locus; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(TAP; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(TBP (TATA box-binding protein), TATA element modulatory factor 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(TF1, cyclin D binding myb-like, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(TFIIA (transcription factor IIA), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(TFIIF (transcription factor IIF), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(TFIIH, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(TGFB inducible early growth response associated; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(TLR-4 (Toll-like receptor-4), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(TNFAIP3 (tumor necrosis factor α-induced protein 3), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(TRAF family member-associated NFκB activator, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(TRAF6 (tumor necrosis factor receptor-associated factor 6), gene for;

curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(TRAIL (tumor necrosis factor-related apoptosis-inducing ligand), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(TRAIL (tumor necrosis factor-related apoptosis-inducing ligand), member 9, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cation channel
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(TRPV1 (transient receptor potential cation channel subfamily V member 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(TU3A, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(Tage4; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Toll-interacting protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(Tpl-2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(Tsc2 for tuberous sclerosis protein; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(U2(RNU2) small nuclear RNA auxiliary factor 1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Splicing factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(U4/U6-associated, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(UDP-galactose-transporting, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(USF2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(V1R sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Pheromone receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(V2R1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(VAP-1 (vascular adhesion protein 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cell adhesion molecules
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(VCAM-1 (vascular cell adhesion mol. 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(VCP (valosin-containing protein), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Anion channel
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(VDAC1 (voltage-dependent anion channel 1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(VH6; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Myosins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(VI, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Annexins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(VI, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Vasopressin receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(V1a, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(WAS, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(WNT1 inducible signaling pathway protein 1 and 2, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(WW45, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Wilms tumor associated; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Myosins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(X, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(XIST, locus DXS399E; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Myosins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(XVA, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Neuropeptide Y receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(Y1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Glycoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ZAG (zinc-α2-glycoprotein), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(Zf9 (zinc finger 9); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(Zf9 (zinc finger 9); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(abhydrolase domain containing 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Phosphoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(acid-inducible, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cell adhesion molecules
RL: BSU (Biological study, unclassified); BIOL (Biological study)

(adhesion regulating mol.; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT **Adipose tissue**
(adipocyte; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(advillin; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(aiPLA2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(albumin D-box, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(amino acid transporter, cationic amino acid, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(amphiphysin, Stiff-Man syndrome with breast cancer 128 kDa autoantigen, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(angiotensinogen gene-inducible enhancer-binding protein; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ankyrin repeat-containing, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Aglycons
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(anthocyanidins; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(antioxidant protein ATX1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Porins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(aquaporin 3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(arachidonate 5-lipoxygenase-activating, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(ard3; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with Alport syndrome, mental retardation, midface hypoplasia and elliptocytosis; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with FLJ21217 fis clone COL00536; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with Werner syndrome; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with Wiskott-Aldrich syndrome (eczema-thrombocytopenia); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with X-ray repair complementing defective repair; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with cDNA DKFZp586A0618 from clone DKFZp586A0618; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with cDNA FLJ20088 fis clone COL03869; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with cDNA FLJ25134 fis clone CBR06934; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with cDNA FLJ34214 fis clone FCBBF3021807; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with cDNA FLJ34834 fis clone NT2NE2010105; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in

screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with cDNA FLJ38630 fis clone HHDPC2000070; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with cDNA FLJ38885 fis clone MESAN2017417; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with cDNAs clone IMAGE:404706 and IMAGE:4845226; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with fragile X mental retardation 2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with late spondyloepiphyseal dysplasia; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(associated with meningioma, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with multiple endocrine neoplasia I; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(associated with nasopharyngeal carcinoma susceptibility; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with neural proliferation and differentiation; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with neuroepithelial cell transforming; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(associated with nuclear fragile X mental retardation; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study,

unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with oral-facial-digital syndrome 1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with polycystic kidney disease; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(associated with retinitis; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(associated with retinoblastoma 1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Tumor antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(associated with serol. defined colon cancer; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with spastic paraplegia; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(associated with spinocerebellar ataxia; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ataxin-2, binding protein; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(atrophin 1, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(autoantigens, La, Sjogren syndrome antigen B, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(autoantigens, golgi autoantigen golgin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(autoantigens, nuclear autoantigenic sperm protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(autoantigens, nucleolar 55 kD similar to rat synaptonemal complex

protein; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(autoantigens, polymyositis/scleroderma-associated, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(band 4.1, 4B sequence homolog; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(basement membrane-induced gene; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Neurotrophic factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(brain-derived, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(brefeldin A resistance factor 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(c-Ki-ras; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(c-fos, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(c-myc; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(c-myc; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Ras proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(c-ras, H1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Phosphoproteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(cAMP-regulated; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and

anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(cEH; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Chloride channel
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(calcium activated, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Calcium-binding proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(calgranulin C, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(centaurin, α, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(checkpoint suppressor 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(chimerin 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transport proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(chloride-potassium-sodium cotransporter, gene Nkcc1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteoglycans, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(chondroitin sulfate-containing, 6, bamacan, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(chromobox, sequence homolog 4; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(cisplatin resistance-associated overexpressed; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(citrin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Insertion sequence
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(clones YW26E10 and EUROIMAGE 1977059; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(cofactor required for Sp1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(colon carcinoma related, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(complement H factor, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(complexes, component of golgi complex 5, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(complexes, genes for subunits of coatomer protein complex; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Molecular chaperones
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(copper chaperone for superoxide dismutase, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(copper transporter ATP7A, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(cpg21; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Antidiabetic agents
Antiobesity agents
DNA microarray technology
DNA sequences
Diabetes mellitus
Drosophila melanogaster
Drug screening
Gene expression profiles, animal
Human
Obesity
Protein sequences
RNA sequences
Rattus
Rattus norvegicus
Rattus rattus
Rattus sordidus
cDNA sequences
(curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Anthocyanins
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT EST (expressed sequence tag)

RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT CD28 (antigen)
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(cut-like 1, CCAAT displacement protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cytoskeleton
(cylicin basic protein of sperm head cytoskeleton protein 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(cystinosis nephropathic-associated; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(cytocentrin; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(cytokinesis regulator 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(death associated, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(desmoplakins, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(diaphanous homolog 2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Ketones, biological studies
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(diketones, unsatd., curcuminoids; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(diphtheria toxin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(doublecortin, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(downregulated in ovarian cancer 1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(dynactins, 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Elongation factors (protein formation)
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(eEF-2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Initiation factors (protein formation)
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(eIF-3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Initiation factors (protein formation)
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(eIF-4E, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Initiation factors (protein formation)
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(eIF-4G2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(early endosome antigen 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Genetic element
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(ecotropic viral integration site 5; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(elaC, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(elongating factor 1(CA150), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Mucins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(endomucin 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(endophilin, B2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Tumor markers
(endothelial 6; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ephrin B2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ephrin, B1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(epithelial protein lost in neoplasm; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(epsin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(erb62; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(ets variant gene 5; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(exon T of gene for parathormone receptor; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(exportin 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(extracellular matrix-associated, 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Olfactory receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(family 12, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(far upstream element (FUSE) binding protein 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(fasciclin I, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transport proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(fatty acid transporter, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(fem-1 homolog b; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(fetal Alzheimer, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(fibulin, 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(fibulin-3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Hemoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(flavohemoproteins, b5+b5R, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Spectrins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(fodrins, gene A2A; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Complement receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(for 3b/4b, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Elongation factors (protein formation)
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(for ELL-related RNA polymerase II, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Guanine nucleotide exchange factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(for Rap1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chimeric gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(for SET domain and mariner transposase; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(for lactogen, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)

(for natural killer cells, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT GTPase-activating protein
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(for rab6, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(forkhead box, fork-head box C2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(fos, Fos-related antigens, gene MP13 for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(fos; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(four jointed box 1, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(frizzled-related, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(fructose transporter, facilitated, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(fused toes, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ganglioside GM2 hydrolysis-activating protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene 33; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene Cebp; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Decorins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL

(Biological study)
(gene DCN; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(gene FGFR-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Glutamate receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene GLUR4; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene Grb14; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT G protein-coupled receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene LGR4; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(gene LRF-I for liver regenerating RNA formation factor; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Mucins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene M2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Insulin-like growth factor II receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene M6P/IGF2r; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene NRGF-1 for nuclear receptor binding factor-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene Nramp2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene PEG-3 (progression elevated gene 3); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(gene PMS1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT RNA formation factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene RL/IF-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(gene SCL; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene SNURF, small nuclear RING finger; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(gene UPF3, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Thyroid hormone receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene erb62; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Diet
(gene expression profile associated with; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT CA 125 (carbohydrate antigen)
Calcium channel
Caldesmon
Calnexin
Calretinin
Cannabinoid receptors
Cholinergic receptors
Dyneins
Dystrophin
Elastins
Endoglins
Ezrin
Growth hormone receptors
Hepatocyte growth factor receptors
Inositol 1,4,5-trisphosphate receptors
Insulin-like growth factor II receptors
Interleukin 12
Interleukin 15
Interleukin 6
Ki-67 antigen
LFA-3 (antigen)
Myelin basic protein
Oxytocin receptors
Perforin
Progesterone receptors
Rho protein (G protein)
Stem cell factor
Thrombin receptors
Thrombomodulin

Transferrins
Tumor necrosis factors
Uncoupling protein
neu (receptor)
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Fibroblast growth factor receptors
GTPase-activating protein
Interleukin 15
Kinesins
Myelin basic protein
Olfactory receptors
Parathyroid hormone receptors
Prostacyclin receptors
Thyrotropin receptors
Transferrin receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene maf-2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Potassium channel
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene r-erg; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene smn (survival motor neuron); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(gene tsa for thiol-specific antioxidant protein; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene tsa, thiol-specific antioxidant protein; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(gene v-raf, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(gene β-ARK; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Melanoma-associated antigens
Nuclear receptors
Tumor necrosis factor receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(glialblastoma cell differentiation-related; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(glioma-associated; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(glucose transporter, facilitated, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(glutamate transporter, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transport proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(glutamate-aspartate transporter, gene GAST; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(glutamic acid-proline dipeptide repeat-containing protein; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteoglycans, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(glypican-1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteoglycans, biological studies
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(glypican; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(growth arrest and DNA-damage-inducible, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(growth response protein, gene CL-6 for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(hairless, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Myosins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(heavy chain, skeletal muscle- and non-muscle isoforms; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteoglycans, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(heparitin sulfate-containing, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(hepatitis A virus, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Tumor antigens
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(hepatocellular carcinoma-associated, 112; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(hepatocyte growth factor-regulated; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(hgprt; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(hippocalcin, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Ribonucleoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(hnRNP (heterogeneous nuclear ribonucleoprotein), D, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Ribonucleoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(hnRNP (heterogeneous nuclear ribonucleoprotein), testes-specific G-T, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Ribonucleoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(hnRNP A2/B1 (heterogeneous nuclear ribonucleoprotein A2/B1), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Ribonucleoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(hnRNP F (heterogeneous nuclear ribonucleoprotein F), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Ribonucleoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(hnRNP H (heterogeneous nuclear ribonucleoprotein H), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(homeodomain-containing, H2.0-like homeo box 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(homeodomain-containing, LIM homeobox protein 6, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(homeodomain-containing, hematopoietically expressed, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(homeodomain-containing, paired related, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(hsp27; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chromosome
(human 1, open reading frames 25 and 29 in; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chromosome
(human 11, open reading frames 2 and 13 in; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chromosome
(human 12, open reading frame 10 in; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chromosome
(human 14, open reading frame 3 in; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chromosome
(human 16, open reading frame 5 in; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chromosome
(human 20, open reading frames 1, 24 and 97 in; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chromosome
(human 21, open reading frame 2, 7, and 66 in; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chromosome
(human 5, open reading frame 4 in; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chromosome
(human 6, DNA segment on chromosome 6(unique) 2654 expressed sequence; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chromosome
(human 6, open reading frames 11, 28 and 32 in; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Chromosome
(human 9, open reading frame 9 in; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Chromosome
(human X, expressed sequence 155 in DNA segment of; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Chromosome
(human X, open reading frame 6 and 12 in; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Chromosome
(human Y, expressed sequence 155 in DNA segment of; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Parathyroid hormone receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(humoral hypercalcemic factor, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(hyaluronan-mediated motility, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(immediate-early, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibitor of DNA binding 1 and 3, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibitor of activated STAT3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inner mitochondrial membrane 44 sequence homolog; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transport proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(inositol transporter, sodium-myo-inositol transporter; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(interferon-induced, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Chloride channel
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(intracellular 3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Potassium channel
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inward rectifier, subfamily J, genes for; curcuminoids- and

anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (iodide-sodium symporter, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Glutamate receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study) (ionotropic, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study) (jagged 1 (Alagille syndrome); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (jerky, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (karyopherin α, 3 and 5, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (katanin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (kinectin, 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study) (lamin B, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (latexin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (leiomodin 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (leucine-rich repeat, testis specific, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (leupaxin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (ligand-binding, CD3ε-associated protein, gene for; curcuminoids-

and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (ligand-binding, DAZ associated protein 1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (ligand-binding, DNA topoisomerase II-binding, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (ligand-binding, Fas antigen (TNFRSF6) associated factor 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (ligand-binding, G protein-binding protein CRFG, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (ligand-binding, HIV type I enhancer binding protein 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (ligand-binding, MAWD, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (ligand-binding, NS1-binding protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (ligand-binding, U5 snRNP-specific Prp8-binding, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (ligand-binding, adenylyl cyclase-associated protein 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (ligand-binding, binding protein 1 for ataxin 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (ligand-binding, for BRCA1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (ligand-binding, for RAN 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(ligand-binding, glycine-, glutamate-, thienylcyclohexylpiperidine-

specific; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(ligand-binding, guanosine-3-phosphate; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ligand-binding, heat shock factor binding protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ligand-binding, hepatitis δ-antigen-interacting protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ligand-binding, mannose 6 phosphate receptor binding protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(ligand-binding, nucleic acid specific, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ligand-binding, nucleosomal 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(ligand-binding, protein kinase C-binding protein Enigma; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ligand-binding, retinoblastoma binding proteins, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(ligand-binding, syntaxin binding protein Munc18-2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ligand-binding, to chemokine 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ligand-binding, to emopamil, gene for,; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)

(ligand-binding, to integrin β1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Myosins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(light chain, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Myosins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(light chain; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(limk-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(lipid transporter; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT RNA formation factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(liver regenerating, gene LRF-I; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(low d. lipoprotein-related protein; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(lymphocyte G0/G1 switch gene; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(lymphocyte adaptor protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(lynA; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(macrophage differentiation-associated, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(maf-2; curcuminoids- and anthocyanins-responsive genes in human

adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(male-enhanced, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(matrilin 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Pituitary hormone receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(melanocortin receptor 3; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Pituitary hormone receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(melanocortin receptor 4; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Progesterone receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(membrane component 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(membrane, MAGUK, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(membrane, peroxisomal membrane 22 kDa protein 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(membrane, ribosome-attached membrane protein 4; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(membrane, vesicle associated membrane protein VAMP-2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(mesenchymal stem cell protein DSC54, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Glutamate receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(metabotropic, 7 and 8, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(metaxin 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(midline 1 associated with Opitz/BBB syndrome, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(mothers against dpp 1 (Mad 1); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(mucolipin 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(mucosa associated lymphoid tissue lymphoma translocation gene 1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(murine osteosarcoma virus strain FBR-associated; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(myeloid leukemia factor, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(myosin regulatory light chain interacting, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(n-chimaerins, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(netrin-1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(neuroendocrine 7B2 protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Tyrosine kinase receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(neurotrophic type 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(neutral amino acid transporter, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)

(ninjurin 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(nsL-TP; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(nuclear LIM interactor-interacting factor, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(nuclear factor of κ light chain gene enhancer in B-cells, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(nuclear mitotic apparatus protein 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(nuclear pore complex interacting protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(nucleobindins, 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Phosphoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(nucleolar and coiled-body, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(nucleolins, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(nucleoporin, 62 kDa and sequence homolog, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(nucleoporin, gene p58/p45; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(nucleoside transporter, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(nucleosome assembly protein, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in

screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(nucleostemin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(nucleotide-binding, MinD homolog 1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(nudix (nucleoside diphosphate linked moiety X), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Biomarkers
(obesity or diabetes-associated gene expression patterns, diet responsive gene profiles; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(oligopeptide transporter, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(oncogene, DEK; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(oncogene, c-mer proto-oncogene; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(open reading frame; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(organic anion transporter, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(organic anion transporter, specific for monocarboxylic acids, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(organic cation transporter, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(organic cationic, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL

(Biological study)
(ornithine decarboxylase-inhibiting; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(osmosis responsive factor, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(osteomodulin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Entactin
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(osteonidogen, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(over expressed in prostate tumor; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(overexpressed in nephroblastoma; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cyclin dependent kinase inhibitors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(p18INK4C, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cyclin dependent kinase inhibitors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(p21CIP1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Ras proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(p21c-Ki-ras; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cyclin dependent kinase inhibitors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(p27KIP1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(p300/CBP-associated factor, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(p53 regulated PA26 nuclear protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(p53-binding, Mdm2, transformed 3T3 cell double minute 2, gene for;

curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Cyclin dependent kinase inhibitors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(p57KIP2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(p58/p45; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(p65, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT G protein-coupled receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(pH218, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(pad1 (26S proteome associated), sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(paired box gene 3 associated with Waardenburg syndrome; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(paralemmin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(parvin α, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(per, sequence homolog 2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(perfin PEF protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(perilipin A, lipid droplet-associated protein; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(perilipin, gene for; curcuminoids- and anthocyanins-responsive genes

in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(periplakin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(peroxin 7, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(pescadillo, sequence homolog 1 to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(peter pan, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(phb; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(phosducins, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(phosphate transporter, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Glycophospholipids
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(phosphatidylinositol-containing, class T, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(phospholemman, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(phospholipase A2-activating, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(phospholipid transporter, PC, PI and PS transporters, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Coupling factors, biological
(photosynthetic, 6; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(pinin desmosome associated protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(pirin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(placental protein 13, sequence homolog; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(plap; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(pleckstrins, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(pleiomorphic adenoma associated; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(plexin, 3, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(plexin, C1 and A2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Glycoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(podoplanin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(polyadenylation specific factor 1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(pre-B cell colony enhancing factor, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(progesterone-induced blocking factor 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(programmed cell death 4, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in

screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(prohibitin, gene phb; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(prolactin regulatory element binding, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(proline rich 1 and 2, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(proline-rich; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(proteoglycan core, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Cadherins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(protocadherin, β1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(pyg1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(r-erg; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(rARP, sequence homolog to atrophin-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(rab3C; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(ras, RAB31 and RAB33A; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and

anti-diabetes drugs)
IT Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(ras, c-ras H1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(ras, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Calcium-binding proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(regucalcins, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(repressors, CREM, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(repressors, repressing interleukin 2 expression, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(restin (Reed-Steinberg cell-expressed intermediate filament-associated), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(retinol-binding, 4, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(retinol-binding, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(retrovirus, gene Ram-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(rhombotins, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(ribin; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)

(rofilin 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(sarcospan, Kras oncogene-associated gene; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(scaffolding, SAF-B (scaffold attachment factor B), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(scrapie responsive protein 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Tumor antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(se20-4, cutaneous T-cell lymphoma-associated gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Tumor antigens
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(se57-1 CTCL, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(selenium-binding, 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(selenium-containing, P, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(semaphorin 3A, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Ras proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(sequence homolog enriched in brain 2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(sequence homolog to ADP-ribosylation factors 4 and 7; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(sequence homolog to subunit of yeast origin recognition complex; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Ankyrins
Calcitonin receptors
Myelin P0 protein
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and

anti-diabetes drugs)
IT ADP ribosylation factor
Dynamin
Dynamin 1
Interleukin 1 receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT CD2 (antigen)
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(sheep red blood cell receptor, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Agglutinins and Lectins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(sialic acid-binding, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(skeletal muscle abundant protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(slit, sequence homolog 3; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(small nuclear RNA activating, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(smn (survival motor neuron); curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Ribonucleoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(snRNP (small nuclear ribonucleoprotein), A, A' B and D1, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(sodium-bicarbonate cotransporter, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(spindlin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(spinophilin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Genetic element
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(split-hand/split-foot 1 region; curcuminoids- and anthocyanins-

responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(sprouty, sequence homolog 2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(stathmin, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(stress-associated endoplasmic reticulum protein 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(stress-induced, 1, Hsp70/Hsp90-organizing protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(striatin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(stromal cell-derived factor 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Potassium channel
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(subfamily K, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(synapsin II, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(synaptogyrin 1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(syntrophins, β1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(tafazzin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(thick filament-associated, C, slow type, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(thioredoxin interacting protein, gene for; curcuminoids- and

anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(thyroid hormone receptor interactor 11, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(tpcr06; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(translin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Genetic element
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(translocated promoter region to activated MET oncogene; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(translocon-associated proteins α and γ, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(tripartite motif-containing, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(trithorax, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(trophinin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(tsa; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(tubby, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(tudor and KH domain containing, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(tumor suppressing subtransferable; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in

screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(tumor suppressor 101F6, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(tumor-associated calcium signal transducer, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Antigens
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(tumor-associated glycoprotein E4, gene Tage4; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Potassium channel
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(two pore domain, K2P3.1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Potassium channel
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(two pore domain, K2P5.1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Fibroblast growth factor receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(type 1, gene FGFR-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Tumor necrosis factor receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(type 1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Prostanoid receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(type EP3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Prostanoid receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(type EP4, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Endothelin receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(type ETA, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Prostanoid receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(type FP, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Taste receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(type II, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Collagens, biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(type V, α1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Collagens, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(type VIII, α1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Capsaicin receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(type VR1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Collagens, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(type XI, α1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Collagens, biological studies
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(type XII, gene Col12a1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Collagens, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(type XVIII, α1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(tyro10; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Enzymes, biological studies
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(ubiquitin-conjugating, gene E217kB; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(ubiquitously transcribed tetratricopeptide repeat gene, in X chromosome; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(utrophins, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(utrophins, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(v-Fos, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(v-ets, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(v-jun oncogene homolog; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(v-maf oncogene homolog; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(v-myc, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(vacuolar protein sorting 33A, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(vav 1 and vav 3 oncogenes; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteoglycans, biological studies
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(versicans, chondroitin sulfate proteoglycan 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(vesicle trafficking protein SEC22, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(vesicle transport-related protein, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(vesl-2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(vigilins, high d. lipoprotein binding protein , gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(vinexin β, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT Potassium channel

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(voltage-gated Kv2.1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Calcium channel
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(voltage-gated, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Potassium channel
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(voltage-gated, shaker-related subfamily, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Transcription factors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(with PDZ-binding motif, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Orphan receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(with seven transmembrane domain gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(zinc finger-containing, 16, 35, 43, 132, 134, 146, 180, 193, 195, 211, 219, 255, 274, and 354, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(zinc finger-containing, 43 (HTF6), 84 (HPF2) and 85 (HPF4, HTF1), genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(zinc finger-containing, 45, with Kruppel-associated box (KRAB) domain, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(zinc finger-containing, AT-BP1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(zinc finger-containing, B-cell CLL/lymphoma 2, 3, 7B and 11B, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(zinc finger-containing, HHZ168, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(zinc finger-containing, Krueppel-related, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(zinc finger-containing, gene POZF-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Crystallins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(ζ-crystallins, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Crystallins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(λ, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT TCR (T cell receptors)
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(α subunit, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Interleukin 5 receptors
Nicotinic receptors
Platelet-derived growth factor receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(α, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Crystallins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(α-, B and B2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Tropomyosins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(α-, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Crystallins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(α-, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(α-TTP (α-tocopherol-transfer protein), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Gene, animal
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(α-thalassemia/mental retardation syndrome X-linked; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Integrins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(α10, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Adrenoceptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(α1A-, α2A- and α2C-, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Actins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(α2 and γ, genes for; curcuminoids- and

anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Laminins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(α2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Enzymes, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(α2,3-Galβ1,4GlcNAc α2,8-sialyltransferase, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Tubulins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(α3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Crystallins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(αA-, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Macroglobulins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(α2-, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Integrins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(α4, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Integrins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(α5, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Integrins
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(α7; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Integrins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(α9, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Interleukin 3
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(β, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Tubulins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(β-, 4, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Catenins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(β-, β1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Proteins

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(β-adducin, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Glycoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(β-1-, pregnancy specific isoform 5, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Laminins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(β1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Enzymes, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(β1→3-Acetylglucosaminyltransferase, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Adrenoceptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(β2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Tubulins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(β2-, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Integrins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(β3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT **Adrenoceptors**
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(β 3; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Integrins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(β5, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Crystallins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(γ-, D, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Glycoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(γ-Sarcoglycan, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Laminins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(γ2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Peroxisome proliferator-activated receptors
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(δ, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT Glycoproteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(δ-sarcoglycan, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 37289-19-3, GTP cyclohydrolase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(1 (dopa-responsive dystonia), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 9028-86-8, Aldehyde dehydrogenase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(1, 4 and 7, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 9014-46-4, Transaldolase 9023-35-2, Pseudouridylate synthase
9025-10-9, Adenosine monophosphate deaminase 9036-20-8 9037-42-7, DNA cytosine-5-methyltransferase 9059-22-7, Heme oxygenase 123423-09-6, Cerebellin
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 77106-95-7
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 9026-33-9, Ethanolamine phosphate cytidylyltransferase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 125978-95-2, Nitric oxide synthase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(2A, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 9054-89-1, Superoxide dismutase 223670-03-9, Mitogen-activated protein kinase kinase kinase kinase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 9001-06-3, Chitinase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(3, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 77106-92-4
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(4, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 109136-49-4, Ubiquitin specific protease
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(8, 16 and 18, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 9001-66-5, Monoamine oxidase 37278-24-3, GDP-mannose pyrophosphorylase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(A and B, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 70248-65-6, Methionine sulfoxide reductase

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(A, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9001-99-4, Ribonuclease
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(A, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 56626-18-7, Fucosyltransferase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(B, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 152166-55-7, Adenosine deaminase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(B1, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 372092-80-3, Protein kinase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(CDC42β (DMPK-like), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 90597-47-0, Peptidylglycine α-amidating monooxygenase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(COOH-terminal interactor; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 630094-85-8, Cytochrome CYP2B15
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(Cytochrome CYP2B15; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 37205-63-3, ATP synthase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(H+ transporting F0 complex subunit c (subunit 9), gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9029-83-8, Serine hydroxymethyltransferase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(I, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9068-41-1, Carnitine palmitoyltransferase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(I, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9014-24-8, RNA polymerase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(II, gene for large subunit of; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 455952-24-6, DNA ligase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(III, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9001-86-9, Phospholipase C
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(III, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 50812-37-8, Glutathione transferase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(M2, M3, Pi, θ1 and θ2, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9040-57-7, Ribonucleotide reductase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(M2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9033-53-8
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(NADP-dependent retinol dehydrogenase/reductase; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 74812-49-0, Ubiquitin ligase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(SMURF2 E3, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT **9001-03-0, Carbonic anhydrase**
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(XI, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 62031-54-3, Fibroblast growth factor
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(acid, sequence homolog to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 152415-21-9, Transcription factor EF1 (Rattus subunit A) 162079-88-1, Reductase, carbonyl (reduced nicotinamide adenine dinucleotide phosphate) (Rattus norvegicus strain Sprague-Dawley WBC gene Cbr) 171042-38-9, Protein (rat gene Tsc2) 172728-38-0, Cholesterol esterase (Rattus norvegicus strain Sprague-Dawley) 177571-86-7, Kinase (phosphorylating), mitogen-activated protein kinase kinase (Rattus norvegicus gene MEKK1) 178605-25-9 178862-53-8, Dihydropyrimidinase (Rattus norvegicus) 180032-55-7, Synthetase, acyl coenzyme A (Rattus norvegicus strain Wistar clone pBACS II isoenzyme 3) 180789-02-0, Proline rich protein (Rattus norvegicus strain Sprague-Dawley clone cc4) 182022-39-5, Heat shock protein 27 (Rattus norvegicus strain Fisher gene Hsp27) 184379-51-9 188204-81-1 189235-72-1 189642-68-0 190977-39-0 195160-50-0, Molecular chaperone GroES (Rattus norvegicus strain Wistar/Sprague-Dawley gene CPN10) 195160-51-1, Molecular chaperone GroEL (Rattus norvegicus strain Wistar/Sprague-Dawley gene Hsp60) 195264-17-6, Transport protein NRAMP2 (natural resistance-associated macrophage protein 2) (Rattus norvegicus strain Sprague-Dawley gene Nramp2) 196967-94-9 199810-33-8 202669-75-8 204659-52-9 206076-49-5 208734-68-3 209119-04-0, Protein (Rattus norvegicus strain Sprague-Dawley gene RDJ1 molecular chaperone DnaJ sequence homolog) 209408-53-7 210229-37-1 212510-87-7 212510-88-8 212568-39-3 212900-59-9 213260-09-4 213538-94-4 213539-39-0 213762-56-2, Transcription factor (Rattus norvegicus gene SNURF small nuclear RING finger) 214909-94-1 214910-30-2, Transport protein chloride-potassium-sodium cotransporter (Rattus norvegicus strain Wistar gene Nkcc1) 215028-81-2 215171-49-6 215518-56-2, Protein (Rattus norvegicus gene DPM2) 216147-98-7, Protein Grb14 (Rattus norvegicus) 216971-93-6, Protein (Rattus norvegicus gene RGC-32) 219678-51-0 219678-52-1 220163-76-8, GABAB receptor (Rattus norvegicus clone GABABR1c) 220895-50-1, Phosphatase, protein phosphoserine/phosphothreonine, 2C (Rattus norvegicus clone 6 gene PP2Cδ isoenzyme δ) 226893-93-2, Cytocentrin (rat clone pBSCC47) 239087-54-8 240407-65-2, Cytidylyltransferase, phosphatidate

(Rattus norvegicus strain Wistar) 240407-72-1 243658-17-5 245509-90-4 246224-57-7, DNA-binding protein MARBP (MAR DNA binding protein) (Rattus N-terminal fragment) 248250-31-9, Transcription factor HNF1β (hepatocyte nuclear factor 1β) (Rattus norvegicus gene NF1-B) 255811-00-8 260425-82-9, Vesicle associated protein 1 (Rattus norvegicus gene VAP1) 266302-37-8 282122-00-3, Sulfonylurea receptor 2B (Rattus norvegicus) 329337-98-6 336652-08-5 459500-15-3, GenBank AAB06202 459503-23-2, GenBank CAA70512 459503-43-6, GenBank AAB67042 459503-71-0, GenBank CAA69642 459505-25-0, GenBank AAA79137 459527-07-2, GenBank AAA19241 459578-77-9, GenBank AAC69605 459581-24-9, GenBank CAA67711 459584-35-1, GenBank CAA61843 459638-61-0, GenBank AAC71014 459639-82-8, GenBank AAC77910 459640-23-4, GenBank AAC83801 462179-66-4 462232-78-6 462233-54-1 462261-56-9 462282-92-4 462285-02-5, Protein Sec7B (Rattus norvegicus) 462321-44-4 462321-45-5 477481-96-2 477984-61-5, Binding protein (Rattus norvegicus syntaxin binding protein Munc18-2) 479793-76-5 479793-77-6 479793-78-7 479793-79-8 479793-80-1 479793-81-2 479793-82-3 479793-83-4 479793-84-5, GenBank AAD15024 479793-85-6 483110-98-1, Syntaxin 5 (Rattus norvegicus) 483112-64-7 483113-00-4 483114-35-8 483115-45-3 483120-91-8 483120-93-0 483121-05-7 483126-04-1 483183-26-2 483183-61-5 483184-66-3 483185-34-8 483185-66-6 483186-07-8 483186-19-2, Catalase (Rattus norvegicus) 483189-50-0 483191-42-0 483191-62-4 483191-68-0 483192-54-7 483193-76-6 483195-89-7 483196-72-1 483197-01-9 483198-23-8 483198-85-2 483198-93-2 483199-37-7 483200-26-6 483200-60-8 483201-16-7 483201-23-6 483201-38-3 483201-64-5, Phospholipase C (Rattus isoenzyme III) 483202-20-6 483202-46-6 483203-42-5 483203-79-8, Ras protein c-ras (Rattus norvegicus) 483203-95-8, Retinol-binding protein (Rattus C-terminal fragment) 483204-14-4 483206-70-8 483207-09-6 483207-88-1, Transferrin receptor (Rattus norvegicus gene transferrin receptor C-terminal fragment) 483208-56-6, Thyrotropin receptor (rat precursor) 483208-77-1 483208-85-1 483210-89-5 483211-12-7 483228-10-0 483228-80-4 483230-84-8 483230-86-0 483231-42-1 483232-06-0 483235-06-9 483462-38-0 483464-33-1, Protein (Rattus norvegicus clone lambda 4A1-3. open reading frame orfa' 268-amino acid) 483464-35-3, Protein (Rattus norvegicus clone lambda 4A1-3. open reading frame orfa 259-amino acid) 483464-38-6, Protein (Rattus norvegicus clone lambda 4A1-3. open reading frame orfb 336-amino acid) 483464-40-0, Protein (Rattus norvegicus clone lambda 4A1-3. open reading frame orfc 135-amino acid) 483464-42-2, Protein (Rattus norvegicus clone lambda 4A1-3. open reading frame orfd1 276-amino acid) 483464-44-4, Protein (Rattus norvegicus clone lambda 4A1-3. open reading frame orfd2 367-amino acid) 483472-43-1 483474-03-9 483474-11-9 483474-71-1 483475-31-6 483475-38-3, Cytochrome P 450 1B1 (Rattus norvegicus strain Sprague-Dawley gene CYP1B1) 483475-88-3 483479-76-1 483480-98-4 483481-86-3 483489-66-3 483489-76-5 483490-15-9 483490-23-9 483490-24-0 483493-72-7 483495-09-6 483498-33-5 483498-75-5 483499-19-0 483509-08-6 483513-51-5 483513-52-6 483518-69-0 483530-43-4, Protein PMF31 (Rattus norvegicus strain Wistar) 483532-13-4 483536-41-0 483544-29-2 483544-36-1 483545-44-4 483545-79-5, Prostacyclin receptor (Rattus clone 12) 483545-95-5 483546-54-9 483546-55-0 483546-75-4 483547-56-4 483552-14-3, Cyclin D2 (Rattus norvegicus clone Nb2) 483552-92-7 483553-62-4 483553-79-3, Kinase (phosphorylating), phosphatidylinositol 4- (Rattus norvegicus strain Wister Imamichi) 483553-87-3 483554-45-6 483555-95-9 483556-91-8 483558-40-3 483560-06-1 483560-10-7 483561-46-2 483561-59-7 483561-60-0 483561-61-1 483561-76-8 483562-06-7 483563-37-7 483563-71-9 483564-89-2 483565-73-7 483567-12-0 483567-83-5, Phosphatase, phosphoprotein (Rattus isoenzyme 2C2) 483569-48-8 483570-54-3 483571-70-6 483572-34-5 483572-40-3 483576-01-8 483576-08-5, Prostanoid receptor type FP (Rattus) 483576-12-1 483576-63-2 483579-70-0 483581-35-7, Kinase (phosphorylating), protein, ROKα (Rattus norvegicus) 483583-15-9, GenBank AAB39620 483584-53-8 483590-18-7 483590-72-3 483592-39-8 483593-57-3 483596-31-2 483597-43-9 483604-59-7 483605-84-1 483606-73-1, Spinophilin (Rattus norvegicus) 483607-78-9

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(amino acid sequence; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 483614-44-4 483615-63-0 483624-48-2 483625-03-2 483632-40-2 483637-52-1 483638-25-1 483647-27-4 483648-07-3 483649-98-5, Centaurin α (Rattus norvegicus) 483650-15-3 483650-70-0 483651-01-0, Nucleoporin p58 (Rattus norvegicus) 483654-67-7 483678-49-5 483679-42-1 483679-75-0 483679-98-7 483681-30-7 483681-55-6 483681-84-1 483681-85-2 483681-87-4 483684-93-1 483689-99-2 483691-28-7 483691-37-8 483691-39-0 483691-41-4 483691-44-7 483720-83-8 484101-70-4 484102-48-9 487606-49-5 487606-57-5, Protein (Rattus norvegicus clone H35 gene CL-6 growth response protein) 487606-59-7 487608-88-8 487613-41-2 487613-59-2, GenBank AAF88164 487613-99-0 487617-72-1 487697-87-0 487698-92-0 487699-12-7 487699-38-7 487699-76-3 487701-43-9 487701-50-8, Hydratase, phosphoenolpyruvate (Rattus norvegicus) 487701-53-1 487701-59-7, Furin (Rattus norvegicus strain Wister) 487701-94-0 487702-37-4 487703-54-8 487703-57-1 487703-80-0 487704-05-2, Transcription factor AP-1 (activator protein 1) (Rattus clone pRJ51) 487705-18-0, Lipase, triacylglycerol (Rattus) 487705-22-6, Protein (Rattus norvegicus gene Pan-1) 487705-34-0 487705-40-8 487706-18-3 487706-47-8 487706-77-4 487706-84-3, Fibroblast growth factor 7 (Rattus norvegicus clone AT-3) 487707-03-9, GenBank CAA99320 487707-68-6 487707-88-0 487708-44-1 487708-88-3 487708-96-3 487708-98-5 487710-88-3, Proteinase inhibitor, calpastatin (Rattus) 487712-30-1 487712-53-8 487713-62-2 **487713-98-4**, **Dehydratase, carbonate** (Rattus norvegicus strain Sprague-Dawley) 487714-63-6 487714-74-9 487716-00-7 487716-20-1 487724-95-8 487728-96-1 487731-74-8 487739-82-2 487743-92-0 487744-64-9, Oxidase, cytochrome (Rattus subunit I C-terminal fragment) 487748-65-2 487754-57-4 487764-30-7 487770-10-5 487774-08-3 487774-14-1 487783-31-3 487808-37-7 487811-40-5, Protein 14-3-3 (Rattus isoform γ) 569263-34-9
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(amino acid sequence; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9040-59-9, 3',5'-Cyclic nucleotide phosphodiesterase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(calmodulin-dependent, PDE1A gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 7084-24-4 36062-04-1, Tetrahydrocurcumin
RL: ARU (Analytical role, unclassified); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9023-56-7, CTP synthase 9025-88-1, 3-Hydroxyisobutyryl-Coenzyme A hydrolase 9068-26-2, Protein mannosyltransferase 60748-73-4, Cathepsin H 102484-74-2, Alkylglycerone phosphate synthase 127069-31-2, Deoxyhypusine synthase 182938-07-4, Rho-associated, coiled-coil containing protein kinase 1 184049-62-5, Dual specificity protein phosphatase 6
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9004-02-8, Lipoprotein lipase 9015-81-0, 17β-Hydroxysteroid dehydrogenase type 3 9023-64-7, γ-Glutamylcysteine synthetase 9026-89-5, Dihydropyrimidine dehydrogenase 85130-32-1, Short-branched chain acyl-CoA dehydrogenase 140879-24-9, Proteasome 141760-45-4, Furin 146702-84-3, Mitogen-activated protein kinase kinase kinase 150605-50-8, Mitogen-activated protein kinase phosphatase 152478-57-4, Janus protein tyrosine kinase 2 165245-96-5, p38 Mitogen activated

protein kinase 192140-83-3, γ-PAK Protein kinase 330596-22-0, Cytochrome CYP1B1 332360-20-0, Protein tyrosine phosphatase, receptor type, O 432504-35-3, TAO1 protein kinase 557789-40-9 644991-16-2, Acidic calcium-independent phospholipase A2
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9027-73-0, 5'-Nucleotidase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(cytosolic II, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9023-09-0, Sulfotransferase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(cytosolic family, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 131016-93-8
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(cytosolic, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9013-18-7, Acyl coenzyme A synthetase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene ACS5; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9025-87-0, Very-long-chain acyl-CoA thioesterase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene BACH for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9026-67-9, Choline kinase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene CKR; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 89700-36-7, Carbonyl reductase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene Cbr; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 99085-47-9, Complement decay-accelerating factor
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene DAF; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 82869-38-3, 2,4-Dienoyl coenzyme A reductase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene DCR-AKL; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9075-15-4, E.C. 2.4.1.41
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(gene GalNAc-T8 for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9026-00-0, Lysosomal acid lipase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL

(Biological study)
(gene LAL; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 142805-58-1, Mitogen-activated protein kinase kinase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene MEK5; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9074-02-6, Malic enzyme
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene Mal; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9028-06-2, Protocollagen proline dioxygenase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene P4Hα; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 185156-08-5, Protein kinase PAK2
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene PAK2; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9032-29-5, Lipoate acetyltransferase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene PCD-E2 for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 82249-72-7, Protein formation initiation factor eIF-2 kinase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene PEK; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 362674-81-5, Protein phosphatase 2A
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene PP2A ARa; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 141436-78-4, Protein kinase Cγ
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene PRKCγ; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 37259-58-8, Serine protease
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene RNK-Met-1; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9029-97-4, Acetyl coenzyme A acyltransferase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene RTP-β for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 135371-29-8, Rab geranylgeranyl transferase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL

(Biological study)
(gene Rab; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 79747-53-8, Protein tyrosine phosphatase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene VH6; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9048-63-9, Epoxide hydrolase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene cEH; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 78474-51-8, Sorbin
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(gene for protein containing; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9000-97-9 9001-16-5, Cytochrome c oxidase 9001-39-2, Glucose-6-phosphatase 9001-51-8, Hexokinase 9001-53-0, Amine oxidase, copper containing 9001-67-6, Sialidase 9001-80-3, Phosphofructokinase 9004-06-2, Matrix metalloproteinase 12 9013-02-9, Adenylate kinase 9013-08-5, Phosphoenolpyruvate carboxykinase 9013-10-9, Glucosamine-6-phosphate isomerase 9014-18-0, Nicotinamide nucleotide transhydrogenase 9014-42-0, Proteoglycan 4 9023-62-5, Glutathione synthetase 9023-69-2, Asparagine synthetase 9023-93-2, Acetyl-Coenzyme A carboxylase 9025-24-5, Carboxypeptidase B 9025-26-7, Cathepsin D 9025-32-5 9025-35-8 9025-42-7 9025-73-4, Phosphoserine phosphatase 9026-04-4, Thiosulfate sulfurtransferase 9026-05-5, Mercaptopyruvate sulfurtransferase 9026-23-7, Carbamoyl-phosphate synthetase 9026-42-0, Pyridoxal kinase 9026-84-0, Ribokinase 9027-01-4 9027-13-8, Enoyl-Coenzyme A hydratase 9027-56-9, Acetylglucosaminidase 9027-72-9, Adenosine kinase 9029-12-3, Glutamate dehydrogenase 1 9029-14-5, Methylenetetrahydrofolate dehydrogenase 9029-61-2, Kynurenine 3-monooxygenase 9029-62-3, Squalene epoxidase 9029-78-1, Betaine-homocysteine methyltransferase 9029-80-5, Histamine methyltransferase 9029-90-7, Carnitine acetyltransferase 9029-95-2, Glycine acyltransferase 9030-22-2, Uridine phosphorylase 9030-23-3, Platelet-derived endothelial cell growth factor 9030-87-9, Hydroxyprostaglandin dehydrogenase 15 9030-90-4, Phosphoserine aminotransferase 9030-96-0, Isoleucine-tRNA synthetase 9031-11-2, Lactase 9031-41-8, Leucyl/cystinyl aminopeptidase 9031-61-2, Thymidylate synthetase 9031-70-3, Dipeptidyl peptidase VI 9031-86-1, Aspartoacylase 9032-25-1, Cytochrome b5 reductase 9032-64-8, Nucleotide pyrophosphohydrolase 9033-07-2, Glycosyltransferase 9033-23-2 9035-39-6, Cytochrome b5 9036-21-9, CAMP phosphodiesterase 9036-37-7, δ-Aminolevulinate dehydratase 9036-43-5, Steroid-5α-reductase 9039-53-6, Urokinase 9040-08-8, 20-α (3-α)-Hydroxysteroid dehydrogenase 9041-92-3, α1-Antiproteinase 9054-51-7, Monocytic leukemia zinc finger protein-related factor 9074-10-6, Biliverdin reductase 9075-64-3, Angiotensinase C 11002-13-4, Angiotensinogen 37184-63-7 37213-56-2, Adipsin 37228-65-2, Sarcosine dehydrogenase 37256-25-0, Formyltetrahydrofolate dehydrogenase 37257-21-9, Glutaminyl-peptide cyclotransferase 37278-34-5, Heparan sulfate sulfotransferase 37278-45-8, 6-Phosphogluconolactonase 37290-66-7, Sialic acid synthase 39346-44-6 50864-48-7, Sphingosine kinase 1 51845-53-5, Myosin light chain kinase 51901-16-7, 1-Acylglycerol-3-phosphate O-acyltransferase 60202-07-5, Cholesterol 25-hydroxylase 60382-71-0, Diacylglycerol kinase 60529-76-2, Thymopoietin 61970-06-7, Methylthioadenosine phosphorylase 62213-44-9, Dolichyl-phosphate mannosyltransferase 63551-76-8, Phospholipase C, γ 71124-51-1, β-Galactoside α-2,3-sialyltransferase 74506-58-4, Galactosaminoglycan

uronyl-2-sulfotransferase 75922-89-3, Pyrroline-5-carboxylate synthetase 76901-00-3, Platelet-activating factor acetylhydrolase 79955-99-0, Matrix metalloproteinase 3 80146-85-6 82391-38-6, Branched chain α-ketoacid dehydrogenase kinase 86480-67-3, Ubiquitin thiolesterase 86551-03-3, Electron-transferring-flavoprotein dehydrogenase 90698-26-3, Ribosomal protein S6 kinase 93928-65-5, Aminoadipic semialdehyde synthase 96231-41-3, β-Inhibin 96779-46-3, Mephenytoin 4-hydroxylase 97089-82-2, 6-Pyruvoyltetrahydropterin synthase 103106-89-4, α-Inhibin 104625-48-1, Activin A 105238-46-8, Macropain 105913-04-0 106640-75-9, Aldo-keto reductase 106956-32-5, Oncostatin M 109489-77-2, Tetranectin 111693-80-2, Inositol polyphosphate-4-phosphatase 114949-23-4, Activin A-B 116036-67-0, Cytidine monophosphate-N-acetylneuraminic acid hydroxylase 122653-71-8, Adrenergic receptor 2 kinase 125752-90-1, GM3 synthase 139639-23-9, Tissue plasminogen activator 141467-21-2, Calcium/calmodulin-dependent protein kinase I 142805-56-9, DNA topoisomerase II 143180-75-0, DNA topoisomerase I 145809-21-8, Tissue inhibitor of metalloproteinase 3 146838-30-4, Mitogen-activated protein kinase-activated protein kinase 2 147014-96-8, Cyclin-dependent kinase 5 147171-38-8, CDC-like kinase 1 150316-07-7, Mitogen-activated protein kinase kinase kinase 8 151769-16-3, Tumor necrosis factor α converting enzyme 153700-57-3, G Protein-coupled receptor kinase 5 155807-64-0, Flap structure-specific endonuclease 1 160477-63-4, Tissue factor pathway inhibitor 2 161384-20-9, Protein kinase C μ 167397-96-8, Interleukin-1 receptor kinase 169494-85-3, Leptin 170347-50-9, FAST kinase 172308-13-3, Mitogen-activated protein kinase kinase 3 172521-75-4, Relaxin 2 176023-64-6, Mitogen-activated protein kinase 12 182372-13-0, Rho protein kinase 182762-08-9, Caspase 4 185915-22-4, Fibroblast growth factor 13 186003-84-9 187414-15-9, Cystatin M 188417-84-7, Vascular endothelial growth factor C 189460-40-0, Connective tissue growth factor 191359-13-4, MAP kinase-interacting serine/threonine kinase 1 193363-12-1, Vascular endothelial growth factor D 193830-08-9, Cartilage-derived morphogenetic protein-1 196717-99-4, Prenylcysteine lyase 214210-47-6, Neuropilin 1 219575-48-1, STE20-like protein kinase 241475-96-7, Matriptase 241824-56-6, Death-associated protein kinase 2 244292-73-7, Corin (enzyme) 252901-99-8, Tousled-like kinase 2 252902-02-6, Homeodomain interacting protein kinase 2 289899-93-0, Mitogen-activated protein kinase 9 289905-84-6, Dual specificity protein phosphatase 3 294190-69-5, T-LAK cell-originated protein kinase 300857-98-1, Protein tyrosine phosphatase, receptor type, F 324751-96-4, Stanniocalcin 2 324752-01-4, Stanniocalcin 1 330197-29-0, Cyclin-dependent kinase 7 335605-46-4, Mitogen-activated protein kinase kinase 7 354123-54-9, Serine/threonine kinase 17a 360565-62-4, Mitogen-activated protein kinase phosphatase x 370088-29-2, Mitogen-activated protein kinase kinase kinase kinase 4 371761-91-0, Survivin 400653-73-8, Dual specificity phosphatase 5 404843-77-2, Reelin 458560-40-2, Serine/threonine protein kinase 6 475678-93-4, WW domain containing oxidoreductase 476196-08-4, Calcium/calmodulin-dependent protein kinase IV 644990-12-5, Peroxiredoxin 1 657407-83-5, Calpain 3 767341-03-7, Hypocretin

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IT 9000-86-6, Alanine aminotransferase 9001-05-2, Catalase 9001-48-3, Glutathione reductase 9001-60-9, Lactate dehydrogenase 9001-62-1 9001-88-1, Phosphorylase kinase 9003-98-9, Deoxyribonuclease I 9014-08-8, Enolase 9014-19-1, Pyruvate carboxylase 9014-34-0, Stearyl-CoA desaturase 9014-36-2, Succinyl-CoA synthetase 9014-48-6, Transketolase 9015-83-2, Ribose-phosphate pyrophosphokinase 9016-18-6, Carboxylesterase 9028-31-3, Aldose reductase 9029-33-8, Ferredoxin reductase 9029-96-3, Glycerol 3-phosphate acyltransferase 9030-74-4, Dihydropyrimidinase 9035-58-9, Blood-coagulation factor III 9037-14-3, Aminolevulinate synthase 9045-77-6, Fatty acid synthetase 9055-09-8,

Protein carboxyl methyltransferase 9067-83-8, CDP-diacylglycerol synthase 9073-70-5, Pyruvate dehydrogenase phosphatase 9074-01-5, Pyruvate dehydrogenase kinase 9074-14-0, Thioredoxin reductase 9075-29-0, D-3-Phosphoglycerate dehydrogenase 9075-65-4, Glycerol 3-phosphate dehydrogenase 37205-54-2, Phosphatidylinositol 4-kinase 37277-59-1, Uridine diphosphoacetylglucosamine-glycoprotein acetylglucosaminyltransferase 60063-87-8, Lanosterol 14α-demethylase 67763-96-6, Insulin-like growth factor I 78689-77-7, 6-Phosphofructo-2-kinase 79079-11-1, Calpastatin 80295-41-6, Complement C3 80295-57-4, Complement C7 81611-75-8, Fructose-2, 6-bisphosphatase 81669-65-0, Pipecolate oxidase 95328-48-6, Parathymosin 101405-69-0, Preprogastrin releasing peptide 102925-39-3, β-Adrenergic receptor kinase 106096-92-8, Heparin-binding growth factor 1 106096-93-9, Basic fibroblast growth factor 111745-44-9, Neuromedin U 115926-52-8, Phosphatidylinositol 3-kinase 127464-60-2, VEGF 129924-25-0, Minoxidil sulfotransferase 148348-15-6, Fibroblast growth factor 7 172306-53-5, Protein kinase LIMK-1 172522-01-9, 5'-AMP-activated protein kinase 182938-08-5, Protein kinase ROKα 192662-83-2, Vascular endothelial growth factor B 199877-11-7, Protein kinase PCTAIRE-2 213903-53-8, Cryptochrome 1 215664-21-4, Protein kinase ANPK
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(gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9016-12-0, Hypoxanthine guanine phosphoribosyl transferase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene hprt; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9035-74-9, Glycogen phosphorylase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene pygl; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 80449-02-1, Tyrosine kinase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(gene tyro10; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 129653-64-1, Fibroblast growth factor 5
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(gene; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 138674-34-7, Cysteine proteinase inhibitor 141588-27-4, CGMP-dependent protein kinase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 139691-92-2, Serine proteinase inhibitor
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9001-84-7, Phospholipase A2
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(group IIA, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 362479-32-1, Protein phosphatase 1
RL: BSU (Biological study, unclassified); BIOL (Biological study) (inhibitory subunits 1A, 12A, 3C, genes for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 9001-87-0, Phospholipase D
RL: BSU (Biological study, unclassified); BIOL (Biological study) (isoenzyme 1, phosphatidylcholine-specific, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 9012-90-2, DNA polymerase ε
RL: BSU (Biological study, unclassified); BIOL (Biological study) (isoform 2, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 37256-73-8, Flavin containing monooxygenase
RL: BSU (Biological study, unclassified); BIOL (Biological study) (isoforms 1 and 5, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)
IT 138362-96-6 139821-50-4 139821-55-9 139822-40-5 139823-85-1 139826-39-4 139847-64-6, DNA (Rattus proteinase inhibitor calpastatin cDNA plus flanks) 139849-17-5 139858-50-7, DNA (Rattus norvegicus strain Sprague-Dawley gene cEH epoxide hydratase C-terminal fragment specifying cDNA plus 3'-flank) 139859-10-2, DNA (Rattus norvegicus kinesin light chain C cDNA) 139860-60-9, DNA (Rattus rattus strain Sprague-Dawley clone pαRL3 α-crystallin B-chain cDNA plus flanks) 140007-75-6 140044-67-3 140044-92-4, DNA (rat liver gene Cebp) 140044-95-7, DNA (Rattus rattus clone PC 12 transcription factor c-fos cDNA plus flanks) 140045-50-7 140045-80-3 140045-88-1, DNA (Rattus norvegicus γ-glutamylcysteine synthetase cDNA plus flanks) 140046-30-6 140046-60-2 140046-78-2 140046-85-1 140046-89-5 140047-19-4 140047-69-4, DNA (Rattus norvegicus strain Sprague-Dawley gene PRKCγ plus flanks) 140047-72-9 140047-78-5 140047-83-2 140048-01-7 140048-09-5, DNA (Rattus norvegicus strain Sprague-Dawley clone R-II-51 protein kinase (phosphorylating) A type II isoenzyme regulatory subunit C-terminal fragment specifying cDNA) 140048-70-0 140050-76-6, DNA (Rattus norvegicus protein O-methyltransferase cDNA plus flanks) 140063-22-5 140066-83-7 140072-23-7 140085-01-4 140104-42-3 140298-86-8 140299-22-5 140299-37-2 140299-53-2, GenBank M31176 140299-60-1 140299-67-8 140299-89-4 140301-00-4, DNA (Rattus norvegicus potassium-sodium-dependent adenosine triphosphatase subunit α cDNA plus flanks) 140301-05-9 140301-48-0 140302-00-7 140302-57-4 140302-90-5 140303-29-3 140316-93-4 140326-64-3 140334-58-3, DNA (Rattus rattus strain Wistar myosin light chain cDNA plus flanks) 140352-89-2, DNA (Rattus norvegicus strain Fisher gene Hsp27 heat-shock protein HSP 27 cDNA plus flanks) 140358-12-9, DNA (Rattus norvegicus strain Fischer Copenhagen high-mobility group protein cDNA 3'-UTR fragment) 140535-47-3 140535-79-1 140536-60-3 140731-42-6, DNA (Rattus norvegicus strain Sprague-Dawley mitochondria gene COXI plus gene COXII plus open reading frame orfa6 gene plus ATPase gene plus gene COXIII plus open reading frame orf3 plus open reading frame orf41 plus open reading frame orf4 plus open reading frame orf5 fragment) 140770-01-0, DNA (Rattus norvegicus clone lambda 4A1-3 open reading frame orfa' plus open reading frame orfa plus open reading frame orfb plus open reading frame orfc plus open reading frame orfd1 plus open reading frame orf d2 plus flanks) 140770-31-6, DNA (Rattus norvegicus strain Buffalo gene c-myc plus flanks) 140772-99-2 140787-25-3 140795-40-0 140801-58-7 140810-28-2 140832-84-4, DNA (Rattus norvegicus gene GLUR4 glutamate receptor cDNA plus flanks) 141000-10-4, DNA (rat clone 37A/7B gene ALR plus flanks) 141006-31-7 141165-09-5 142098-65-5, DNA (Rattus norvegicus strain Sprague-Dawley gene CaM-PDE clone Arb5 cyclic 3',5'-nucleotide phosphodiesterase calmodulin-dependent 63-kilodalton isoenzyme cDNA plus flanks) 142258-88-6, DNA (Rattus norvegicus strain Wistar multicatalytic proteinase subunit C2 cDNA plus flanks) 142317-57-5 143343-25-3, DNA

(Rattus norvegicus strain Sprague-Dawley transcription factor Sp1 cDNA plus flanks) 143343-26-4, DNA (Rattus norvegicus strain Sprague-Dawley transcription factor BTEB (BTE binding protein) cDNA plus flanks) 143561-10-8, DNA (Rattus norvegicus strain Wistar n-chimaerin cDNA plus flanks) 143561-16-4, DNA (Rattus norvegicus clone pF6 mitochondria photosynthetic coupling factor 6 cDNA plus flanks) 143910-47-8 144714-29-4, DNA (Rattus clone RPI/λ43 gene ARPP 21 cAMP-regulated phosphoprotein cDNA plus flanks) 145010-36-2, DNA (Rattus protein GRP78 (glucose-regulated protein 78) cDNA) 145464-10-4 145793-14-2 145886-43-7, DNA (Rattus norvegicus strain Sprague-Dawley proteoglycan glypican cDNA plus flanks) 146193-06-8, DNA (rat neuromedin U cDNA plus flanks) 146194-05-0, DNA (Rattus norvegicus gene mss4 protein Mss4 cDNA plus flanks) 146883-33-2, DNA (Rattus cytochrome oxidase subunit I cDNA C-terminal fragment plus 3'-flank) 146888-64-4, DNA (Rattus phosphoprotein phosphatase isoenzyme 2C2 cDNA plus flanks) 147221-92-9, DNA (Rattus norvegicus gene FGFR-1 fibroblast growth factor receptor type 1 isoform β cDNA plus flanks) 147825-50-1, DNA (Rattus norvegicus clone p16a carnitine palmitoyltransferase isoenzyme I cDNA plus flanks) 147925-73-3 148167-97-9, DNA (Rattus norvegicus clone AT-3 fibroblast growth factor 7 cDNA plus 5'-flank) 148187-07-9, DNA (Rattus rattus strain Wistar clone lambda 6TRA8 glutathione transferase cDNA plus flanks) 148187-11-5, DNA (Rattus rattus clone L6 RNA polymerase II large subunit gene exon) 148282-71-7, DNA (Rattus transcription factor EF1 gene plus flanks) 148512-27-0, DNA (Rattus norvegicus strain BDIX clone DHD/K12/TRb gene Tage4 antigen pE4 cDNA plus flanks) 148984-46-7, DNA (Rattus norvegicus receptor SSR (signal sequence receptor) subunit γ cDNA plus flanks) 149215-12-3 149346-72-5, DNA (Rattus sp. gene β-ARK β-adrenergic receptor kinase (phosphorylating) cDNA plus 3'-flank) 149765-87-7, DNA (Rattus norvegicus strain Sprague-Dawley gene HSP70 heat-shock protein HSP70 cDNA plus flanks) 149799-70-2 150050-36-5 150219-95-7, DNA (Rattus norvegicus clone H35 gene CL-6 growth response protein cDNA plus flanks) 150421-46-8 150575-25-0, DNA (Rattus norvegicus strain Sprague-Dawley clone pUCcEH1 gene cEH epoxide hydratase cDNA plus flanks) 150754-92-0 151246-13-8 151279-36-6 151349-69-8 151526-32-8 151633-16-8 151715-43-4 151822-04-7, DNA (Rattus transcription factor repressor CREM isoform ICER cDNA plus flanks) 152053-29-7, DNA (Rattus norvegicus strain Sprague-Dawley gene BTG1 protein BTG1 C-terminal fragment-specifying plus 3'-flank) 152283-39-1, DNA (Rattus norvegicus strain Wistar clone rMax-S gene Max transcription factor Max cDNA) 152473-04-6, DNA (Rattus norvegicus strain Sprague-Dawley clone S20-E transcription factor CREM isoform CREMΔC-G cDNA plus flanks) 153320-83-3 153377-85-6, DNA (Rattus norvegicus strain Wistar mitochondria-associated gene RTP-β acetyl coenzyme A acyltransferase subunit β cDNA plus flanks) 153768-65-1, DNA (Rattus multicatalytic proteinase proteasome subunit RC10-II cDNA plus flanks) 154211-54-8 154298-83-6 154449-00-0, DNA (cDNA plus flanks) 154449-77-1 154946-36-8 154946-43-7, DNA (Rattus norvegicus gene LDH-B lactate dehydrogenase isozenzyme B cDNA plus flanks) 155120-31-3 155285-20-4, DNA (Rattus norvegicus strain Sprague-Dawley clone pRLTK transketolase cDNA plus flanks) 155610-50-7, DNA (Rattus norvegicus parathormone receptor gene exon T) 155712-56-4, DNA (Rattus norvegicus strain Noble gene c-Ki-ras Ras protein p21c-Ki-ras cDNA plus 3'-flank) 157115-04-3 157574-36-2 158126-95-5, DNA (Rattus norvegicus strain Sprague-Dawley ornithine decarboxylase-inhibiting protein cDNA plus flanks) 158682-55-4, DNA (Rattus norvegicus strain Sprague-Dawley phosphoprotein phosphatase isoenzyme T cDNA plus flanks) 158795-21-2 158929-76-1 159869-06-4, DNA (Rattus norvegicus clone Nb2 cyclin D2 cDNA plus flanks) 160102-90-9 160102-91-0, DNA (Rattus norvegicus clone ubc4a gene E217kB ubiquitin conjugating enzyme cDNA plus flanks) 160119-47-1 160340-30-7, DNA (Rattus prostanoid receptor type FP cDNA) 160898-62-4, DNA (Rattus clone 12 prostacyclin receptor cDNA plus flanks) 161274-17-5, DNA (Rattus norvegicus strain Sprague-Dawley clone λCKRα choline kinase gene exon 1 plus 5'-flank) 161573-42-8 162030-25-3, DNA (Rattus norvegicus strain Sprague-Dawley protein MIBP1 c-myc intron-binding protein 1) cDNA plus flanks) 163951-74-4 164373-82-4, DNA (Rattus norvegicus strain Sprague-Dawley annexin VI cDNA plus

flanks) 164956-77-8, DNA (Rattus norvegicus strain Holtzman clone D920 intestinal epithelium proliferating cell transcript-associated cDNA) 165764-61-4, DNA (Rattus norvegicus strain Sprague-Dawley nucleic acid binding protein cDNA plus flanks) 166218-33-3, DNA (Rattus norvegicus strain Wistar clone DS112-36 carnitine palmitoyltransferase sequence homolog cDNA plus flanks) 167248-08-0, DNA (Rattus norvegicus pyruvate carboxylase cDNA plus flanks) 167717-35-3, DNA (Rattus norvegicus clone TPCR06 gene tpcr06 olfactory receptor fragment-specifying cDNA) 168668-63-1, DNA (Rattus clone RPCAG66 EST (expressed sequence tag)) 168672-02-4 168672-96-6, DNA (Rattus clone RPCAW32 EST (expressed sequence tag)) 168673-62-9, DNA (Rattus clone RPCAY40 EST (expressed sequence tag)) 168719-92-4, DNA (Rattus clone RPNAS13 EST (expressed sequence tag)) 169073-73-8 169714-51-6, DNA (Rattus norvegicus gene γ-PAK protein kinase(phosphorylating) PAK2 cDNA plus flanks) 169714-84-5 169715-36-0, DNA (Rattus norvegicus strain Sprague-Dawley gene MEK5 gene MEK5 mitogen-activated protein kinase kinase isoenzyme MEK5α-1 cDNA plus flanks) 169717-57-1, DNA (Rattus norvegicus syntaxin binding protein Munc18-2 cDNA plus flanks) 169724-41-8 169729-58-2, DNA (Rattus norvegicus strain Sprague-Dawley clone R3A lactogen receptor cDNA plus flanks) 169730-20-5 170176-45-1, DNA (Rattus norvegicus strain Sprague-Dawley gene CYP1B1 cytochrome P 450 1B1 cDNA plus flanks) 170315-97-6 170335-02-1, DNA (Rattus norvegicus gene rab3c G protein (guanine nucleotide-binding protein) RAB3C fragment-specifying cDNA) 170610-53-4 172200-82-7, DNA (Rattus norvegicus protein kinase (phosphorylating) ROKα cDNA plus flanks) 172712-78-6, DNA (Rattus norvegicus strain Sprague-Dawley cholesterol esterase cDNA plus flanks) 172776-74-8 173333-49-8, DNA (Rattus norvegicus strain Sprague Dawley gene PPARδ peroxisome proliferator-activated receptor δ cDNA plus flanks) 173486-85-6 173708-20-8, DNA (Rattus norvegicus gene VH6 phosphoprotein (phosphotyrosine) phosphatase cDNA plus flanks) 173755-76-5 174053-72-6, DNA (Rattus norvegicus clone 36RbARP/10CorARP/5CerARP gene rARP atrophin-1 sequence homolog cDNA plus flanks)cDNA) 174129-15-8, GenBank x90823 174170-83-3 175112-29-5 175137-96-9 176193-92-3, DNA (Rattus norvegicus strain Sprague-Dawley gene RDJ1 molecular chaperone DnaJ sequence homolog cDNA plus flanks) 176893-38-2 177014-59-4, DNA (Rattus norvegicus strain Wistar gene POZF-1 zinc finger-containing protein cDNA plus flanks) 177303-36-5, DNA (Rattus norvegicus gene MEKK1 mitogen-activated protein kinase kinase kinase cDNA plus flanks) 177645-04-4, DNA (Rattus norvegicus dihydropyrimidinase cDNA plus flanks) 178148-46-4, DNA (Rattus norvegicus strain Sprague-Dawley gene M6P/IGF2r insulin-like growth factor II receptor cDNA plus flanks) 178409-93-3 179492-07-0, DNA (Rattus norvegicus centaurin α cDNA plus flanks) 179522-64-6, DNA (Rattus norvegicus strain Wistar clone pBACS II acyl coenzyme A synthetase isoenzyme 3 cDNA plus flanks) 179794-71-9, DNA (Rattus norvegicus strain Sprague-Dawley BRM (brahma) protein fragment-specifying cDNA) 179794-72-0, DNA (Rattus norvegicus strain Sprague-Dawley clone 68 gene hsp70.2 heat-shock protein HSP 70 C-terminal fragment specifying cDNA plus 3'-flank) 179972-35-1, DNA (Rattus norvegicus strain Sprague-Dawley hormone-sensitive lipase testicular isoenzyme cDNA plus flanks) 180171-78-2 180567-12-8 181013-93-4 182331-12-0, DNA (Rattus norvegicus gene Lot1 protein Lot1 cDNA plus flanks)) 182912-47-6 182983-57-9, DNA (Rattus norvegicus strain Wistar clone pCO100 EST (expressed sequence tag)) 182983-88-6, DNA (Rattus norvegicus strain Wistar clone pCO97 EST (expressed sequence tag)) 183192-22-5 183468-27-1, DNA (Rattus norvegicus strain Wistar-Kyoto clone Ssecks 322 3'-UTR fragment-specifying cDNA) 183641-21-6 183982-31-2 184385-27-1, DNA (Rattus norvegicus strain Wistar-Kyoto gene EGR1 sequence homolog protein N-terminal fragment specifying cDNA plus 5'-flank) 184695-59-8 184860-72-8 184864-37-7 184924-14-9, DNA (Rattus norvegicus clone gtB2 growth hormone receptor gene transcript 3'-UTR fragment-specifying cDNA) 185241-81-0 185570-55-2 185770-20-1 185774-15-6 186209-55-2, DNA (Rattus norvegicus strain Wister Imamichi phosphatidylinositol 4-kinase cDNA plus flanks) 186782-90-1, DNA (Rattus norvegicus strain Wister carbonyl reductase cDNA plus flanks) 186786-66-3 188101-92-0 188223-88-3 188379-61-5 188468-80-6, DNA

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RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(nucleotide sequence; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

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kinase cDNA plus flanks) 213508-24-8 213859-04-2, DNA (Rattus norvegicus gene A2A cDNA) 213879-56-2, DNA (Rattus norvegicus gene SNURF small nuclear RING finger transciption factor cDNA plus flanks) 214158-81-3 215226-38-3 215358-42-2 215647-71-5, DNA (Rattus norvegicus gene DPM2 protein cDNA plus flanks) 215774-43-9 216126-57-7 216295-93-1 217032-38-7, DNA (Rattus norvegicus gene RGC-32 protein cDNA plus flanks) 217155-55-0 217578-91-1, DNA (Rattus norvegicus strain Wistar clone λa26.I gene tsa thiol-specific antioxidant protein cDNA plus flanks) 217690-79-4 217708-40-2, DNA (Rattus clone RBRBY28 EST (expressed sequence tag)) 217714-62-0, DNA (Rattus clone REMBT54 EST (expressed sequence tag)) 217729-62-9, DNA (Rattus clone RHECH96 EST (expressed sequence tag)) 217730-85-3, DNA (Rattus clone RHECK76 EST (expressed sequence tag)) 217743-97-0, DNA (Rattus clone RLUCH85 EST (expressed sequence tag)) 217751-58-1 217753-47-4, DNA (Rattus clone RMUBJ63 EST (expressed sequence tag)) 217754-98-8, DNA (Rattus clone RMUBL83 EST (expressed sequence tag)) 217760-88-8, DNA (Rattus clone RMUBU88 EST (expressed sequence tag)) 217786-02-2, DNA (Rattus clone ROVBF01 EST (expressed sequence tag)) 217850-19-6 217901-58-1, DNA (Rattus clone ROVBG93 EST (expressed sequence tag)) 217902-17-5, DNA (Rattus clone ROVBH68 EST (expressed sequence tag)) 217907-18-1, DNA (Rattus clone ROVBS09 EST (expressed sequence tag)) 217907-45-4, DNA (Rattus clone ROVBS47 EST (expressed sequence tag)) 217909-15-4, DNA (Rattus clone ROVBV22 EST (expressed sequence tag)) 217909-19-8, DNA (Rattus clone ROVBV27 EST (expressed sequence tag)) 217912-83-9, DNA (Rattus clone ROVBZ93 EST (expressed sequence tag)) 217913-09-2, DNA (Rattus clone ROVCA24 EST (expressed sequence tag)) 217914-18-6, DNA (Rattus clone ROVCB60 EST (expressed sequence tag)) 217931-68-5, DNA (Rattus sp. clone RSPBT27 EST (expressed sequence tag)) 218529-03-4, DNA (Rattus norvegicus strain EVA-TN1 olfactory receptor fragment-specifying cDNA) 218573-80-9 218718-37-7, DNA (Rattus norvegicus strain Sprague-Dawley protein NCKAP1 (NCK-associated protein 1) cDNA plus flanks) 218890-08-5, DNA (Rattus norvegicus strain Sprague Dawley gene pim-3 protein serine/threonine kinase cDNA plus 3'-flank) 219049-45-3, DNA (Rattus clone REMCU69 EST (expressed sequence tag)) 219059-39-9, DNA (Rattus clone REMDJ02 EST (expressed sequence tag)) 219061-62-8, DNA (Rattus clone REMDK26 EST (expressed sequence tag)) 219078-65-6, DNA (Rattus clone RKIDC35 EST (expressed sequence tag)) 219079-07-9, DNA (Rattus clone RKIDC84 EST (expressed sequence tag)) 219100-85-3 219146-75-5 219155-74-5, DNA (Rattus clone ROVCU39 EST (expressed sequence tag)) 219156-93-1, DNA (Rattus clone ROVCW60 EST (expressed sequence tag)) 219165-44-3, DNA (Rattus clone ROVDI22 EST (expressed sequence tag)) 219166-86-6, DNA (Rattus clone ROVDJ72 EST (expressed sequence tag)) 219175-51-6, DNA (Rattus clone RPLDB93 EST (expressed sequence tag)) 219588-30-4, DNA (Rattus norvegicus clone 1 gene p58/p45 protein nucleoporin cDNA plus flanks) 219588-32-6 219728-61-7, DNA (Rattus norvegicus gene NRBF-1 protein nuclear receptor binding factor-1 cDNA plus flanks) 219730-20-8 219730-21-9 219804-04-3 220008-08-2 220188-36-3, DNA (Rattus norvegicus clone GABABR1c GABAB receptor cDNA plus flanks) 221427-34-5 221427-63-0 221428-40-6 221429-16-9 222254-46-8, DNA (Rattus norvegicus strain Wistar protein PMF31 cDNA plus flanks) 222497-99-6 223092-70-4, DNA (Rattus norvegicus gene VAP1 protein VAP1 (vesicle associated protein 1) cDNA plus flanks) 224332-10-9 224334-43-4 224363-55-7 224615-83-2 224698-06-0 224698-12-8, DNA (Rattus norvegicus clone SCC-131 gene SALT-1 protein cDNA) 225136-79-8, DNA (Rattus norvegicus gene MIC-1 exon 1 plus flanks) 231238-10-1 231238-50-9 231238-54-3, DNA (Rattus norvegicus strain Sprague-Dawley clone rx01844 EST (expressed sequence tag)) 231239-11-5 231239-19-3 231239-37-5 231239-40-0 231239-74-0 231240-08-7 231240-09-8

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(nucleotide sequence; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 231240-88-3 231241-24-0 231241-43-3 231241-62-6 231241-79-5 231241-93-3 231242-07-2 231242-40-3 231242-42-5 231242-70-9

231242-77-6 252785-60-7, DNA (Rattus γ-glutamylcysteine synthetase light chain cDNA plus flanks) 252802-78-1, DNA (Rattus clone CL100 3CH134 phosphoprotein (phosphotyrosine) phosphatase cDNA) 252807-70-8 252818-10-3, DNA (Rattus gene 3CH134/CL100 phosphoprotein (phosphotyrosine) phosphatase cDNA plus flanks) 382742-48-5, DNA (Rattus norvegicus gene parathymosin α cDNA plus 3'-flank) 383835-68-5 384441-49-0 **384449-29-0**, DNA (Rattus norvegicus strain Sprague-Dawley **carbonate dehydratase** cDNA plus 3'-flank) 384452-58-8, DNA (Rattus norvegicus strain Wistar clone pRACS 15 acyl coenzyme A synthetase cDNA plus flanks) 384454-22-2, DNA (Rattus norvegicus strain Sprague-Dawley phosphorylase kinase catalytic subunit cDNA plus flanks) 384501-39-7 384509-72-2, DNA (Rattus protein 14-3-3 isoform γ cDNA plus flanks) 384532-29-0 384537-78-4, DNA (Rattus norvegicus syntaxin 5 cDNA) 384563-29-5 384578-92-1, DNA (Rattus norvegicus clone H218 G protein-coupled receptor pH218 cDNA plus flanks) 384630-80-2, DNA (Rattus norvegicus strain Fischer 344 gene hprt exon 3 plus flanks) 384653-97-8 385304-20-1, DNA (Rattus norvegicus serine/threonine protein kinase TAO1 cDNA plus flanks) 389183-37-3 389189-98-4 389198-28-1 391539-51-8, DNA (Rattus norvegicus strain Long Evans gene Tpl-2 serine/threonine protein kinase cDNA plus flanks) 391543-56-9, DNA (Rattus rattus strain Fischer gene MC3-R pituitary hormone receptor melanocortin receptor 3 cDNA plus flanks) 391770-48-2, DNA (Rattus gene LAL lysosomal acid lipase cDNA plus flanks) 391775-75-0, DNA (Rattus norvegicus strain Sprague Dawley [hydroxymethylglutaryl-CoA reductase (reduced nicotinamide adenine dinucleotide phosphate)] kinase(phosphorylating) catalytic subunit α1 cDNA) 391840-61-2, DNA (Rattus norvegicus phosphoglycerate dehydrogenase cDNA plus flanks) 392193-73-6
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(nucleotide sequence; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 77649-64-0, Trans 2-Enoyl CoA reductase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(peroxisomal, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 78783-52-5, β1,3-Galactosyltransferase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(polypeptide 4, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9054-94-8, β1,4-Galactosyltransferase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(polypeptides 1 and 4, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 250740-90-0, Angiopoietin
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(sequence homolog 4 to; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 60184-90-9, Endonuclease III
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(sequence homolog to E. coli nth; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9000-81-1, Acetylcholinesterase 9004-10-8, Insulin, biological studies 9055-67-8, Poly(ADP-ribose) polymerase 9067-73-6, Debranching enzyme 37237-44-8, UDP-glucose ceramide glucosyltransferase 80295-34-7, Complement C1r 82047-76-5, Selenocysteine lyase 162874-99-9, Sterol-C5-desaturase 182372-18-5, Serine/threonine kinase 3 438496-81-2, Sirtuin
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(sequence homolog to; curcuminoids- and anthocyanins-responsive genes

in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 149433-93-2, Gene polo protein kinase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(sequence homolog; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 59088-21-0, Uracil DNA glycosylase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(single-strand selective monofunctional, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 361540-77-4, Calcineurin
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(subunit A, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 37256-59-0, Cysteine dioxygenase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(type I, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 142008-29-5, CAMP-dependent protein kinase
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(type II, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 39287-99-5, Procollagenase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(type III N-endopeptidase, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 104645-76-3, Phosphatidylinositol-4-phosphate 5-kinase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(types I and II α, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 9002-71-5, Thyroid stimulating hormone 9061-61-4, Nerve growth factor
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(β, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

IT 80295-32-5, Complement C1
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(γ subcomponent, gene for; curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs)

L60 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2005 ACS on STN
AN **2004:101274** HCAPLUS
DN 140:158645
ED Entered STN: 08 Feb 2004
TI Genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders
IN Chada, Kiran; Chouinard, Roland; Ashar, Hena; Sayed, Abu M. D.
PA Hmgene, Inc., USA
SO PCT Int. Appl., 91 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C12N
CC 3-3 (Biochemical Genetics)
Section cross-reference(s): 1, 9, 14

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004011618	A2	20040205	WO 2003-US23684	20030729

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI	US 2002-398785P	P	20020729
	US 2003-478206P	P	20030612

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2004011618	ICM	C12N
WO 2004011618	ECLA	C07K014/47; C07K014/72; C12N009/00; C12Q001/68M6

AB Disclosed is a method of identifying genes that are over-expressed in adipose tissue as compared to pre-adipocyte tissue or other tissues, comprising performing differential gene expression anal. between the white adipose tissue (WAT) or stromal vascular tissue (SVT) from any two different mice selected from the group consisting of wild-type, HMGI-C -/-, ob/ob, and HMGI-C-/- ob/ob genotype mice. Based on this differential gene expression anal. using the Affymetrix GeneChip MG-U74, a number of nucleotide sequences are identified whose expression is adipocyte-specific. A preferred embodiment of the invention is expression of the sFRP-5 (secreted frizzled-related protein 5) and npr-3 (natriuretic peptide receptor C) genes. The identified nucleotide sequences and their corresponding polypeptides may then be used to prevent adipogenesis, to treat diabetes, and to screen for small mols. that can modulate or prevent adipogenesis and to treat diabetes and obesity.

ST gene expression profile adipocyte diagnosis therapy; adipose tissue disorder diagnosis therapy gene expression; sequence adipocyte specific cDNA protein mouse human

IT Syntaxins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(1B, -like mol.; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT DNA microarray technology
Gene expression profiles, animal
(Affymetrix MG-U74 GeneChip; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Arl4; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Chemokines
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(CCL17 (C-C motif ligand 17); genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Chemokine receptors
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(CCR2; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Chemokine receptors
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(CCR6; genes overexpressed in adipocytes and their use in diagnosis and

treatment of adipose tissue disorders)
IT Antigens
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(CD1d1; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)
IT CD antigens
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(CD53; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)
IT G proteins (guanine nucleotide-binding proteins)
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(CDC42; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)
IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(FSP27; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)
IT G protein-coupled receptors
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(GPR127; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)
IT G protein-coupled receptors
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(GPR18; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)
IT G proteins (guanine nucleotide-binding proteins)
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Gi (adenylate cyclase-inhibiting), α1-subunit; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)
IT G proteins (guanine nucleotide-binding proteins)
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(G2; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)
IT Transcription factors
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(IRF-4 (interferon regulatory factor 4); genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)
IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Isg12; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)
IT Transcription factors
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(KLF5 (Kruppel-like factor 5); genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)
IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(LBH (limb-bud and heart gene); genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)
IT Cyclins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(M-3; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Peg1/MEST; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(RELMα (resistin-like mol. α); genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Ras protein p21ras activator 2; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Ras-like GTPase TC10; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(S3-12; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Vap-1; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT **Adipose tissue**
(adipocyte; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Calcium-binding proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(calgranulin B; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(copine II; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(coronin; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(decay accelerating factor 1; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Susceptibility (genetic)
(diagnosis of; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Transcription factors
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(early B-cell factor; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Bioassay
(for agents preventing adipose accumulation; genes overexpressed in

adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT **High throughput screening**
(for modulating agents; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Agglutinins and Lectins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(galectin 12; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT **Adipose tissue**
Angiogenesis
Antidiabetic agents
Antiobesity agents
Diabetes mellitus
Drug screening
Human
Mus
Obesity
Protein sequences
Rattus
cDNA sequences
(genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Lactoferrins
RANTES (chemokine)
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Diagnosis
(mol.; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Antibodies and Immunoglobulins
RL: DGN (Diagnostic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(monoclonal; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(neuronatin; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT **Adipose tissue**
(preadipocyte; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(retinol-binding, 4; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Hedgehog protein
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(sonic; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT Proteins
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(thyroid hormone-responsive SPOT14; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT G proteins (guanine nucleotide-binding proteins)
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(α2-subunit; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT 78169-47-8, Aspartic proteinase
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(-like protein; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT **9001-03-0**
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(II; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT 654291-03-9 654291-04-0 654291-05-1 654291-06-2 654291-07-3
654291-08-4 654291-09-5 654291-10-8 654291-11-9 654291-12-0
654291-13-1 654291-14-2 654291-15-3 654291-16-4 654291-17-5
654291-18-6 654291-19-7 654291-20-0 654291-21-1 654291-22-2
654291-23-3 654291-24-4 654291-25-5 654291-26-6 654291-27-7
654291-28-8 654291-29-9 654291-30-2 654291-31-3 654291-32-4
654291-33-5 654291-34-6 654291-35-7 654291-36-8 654291-37-9
654291-38-0 654291-39-1 654291-40-4 654291-41-5 654291-42-6
654291-43-7 654291-44-8 654291-45-9 654291-46-0 654291-47-1
654291-48-2 654291-49-3 654291-50-6 654291-51-7 654291-52-8
654291-53-9 654291-54-0 654291-55-1 654291-56-2 654291-57-3
654291-58-4 654291-59-5 654291-60-8 654291-61-9 654291-62-0
654291-63-1 654291-64-2 654291-65-3 654291-66-4 654291-67-5
654291-68-6 654291-69-7 654291-70-0 654291-71-1 654291-72-2
654291-73-3 654291-74-4 654291-75-5 654291-76-6 654291-77-7
654291-78-8 654291-79-9
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(amino acid sequence; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT 9001-99-4, RNase
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(eosinophil-associated 1; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT 9003-99-0, Myeloperoxidase 79747-53-8, Protein tyrosine phosphatase
90698-32-1, Leukotriene C4 synthase 128028-50-2, Proteinase 3
146480-36-6, Matrix metalloproteinase 9 216864-09-4, SYnuclein γ
503473-02-7, Nitric oxide synthase 3
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT 654288-30-9 654288-31-0 654288-32-1 654288-33-2 654288-34-3
654288-35-4 654288-36-5 654288-37-6 654288-38-7 654288-39-8
654288-40-1 654288-41-2 654288-42-3 654288-43-4 654288-44-5
654288-45-6 654288-46-7 654288-47-8 654288-48-9 654288-49-0
654288-50-3 654288-51-4 654288-52-5 654288-53-6 654288-54-7
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654288-60-5 654288-61-6 654288-62-7 654288-63-8 654288-64-9
654288-65-0 654288-66-1 654288-67-2 654288-68-3 654288-69-4
654288-70-7 654288-71-8 654288-72-9 654288-73-0 654288-74-1
654288-75-2 654288-76-3 654288-77-4 654288-78-5 654288-79-6
654288-80-9 654288-81-0 654288-82-1 654288-83-2 654288-84-3
654288-85-4 654288-86-5 654288-87-6 654288-88-7 654288-89-8
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654288-95-6 654288-96-7 654288-97-8 654288-98-9 654288-99-0
654289-00-6 654289-01-7 654289-02-8 654289-03-9 654289-04-0
654289-05-1 654289-06-2 654289-07-3 654289-08-4 654289-09-5
654289-10-8 654289-11-9 654289-12-0 654289-13-1 654289-14-2
654289-15-3 **654289-16-4** **654289-17-5** 654289-18-6
654289-19-7 654289-20-0 654289-21-1 654289-22-2 654289-23-3
654289-24-4 654289-25-5 654289-26-6 654289-27-7 654289-28-8
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654289-34-6 654289-35-7 654289-36-8 654289-37-9 654289-38-0
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654289-44-8 654289-45-9 654289-46-0 654289-47-1 654289-48-2
654289-49-3 654289-50-6 654289-51-7 654289-52-8 654289-53-9
654289-54-0 654289-55-1 654289-56-2 654289-57-3 654289-58-4
654289-59-5 654289-60-8 654289-61-9 654289-62-0 654289-63-1
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654289-79-9 654289-80-2 654289-81-3 654289-82-4 654289-83-5
654289-84-6 654289-85-7 654289-86-8 654289-87-9 654289-88-0
654289-89-1 654289-90-4 654289-91-5 654289-92-6 654289-93-7
654289-94-8 654289-95-9 654289-96-0 654289-97-1 654289-98-2
654289-99-3 654290-00-3 654290-01-4 654290-02-5 654290-03-6
654290-04-7 654290-05-8 654290-06-9 654290-07-0 654290-08-1
654290-09-2 654290-10-5 654290-11-6 654290-12-7 654290-13-8
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654290-19-4 654290-20-7 654290-21-8 654290-22-9 654290-23-0
654290-24-1 654290-25-2 654290-26-3 654290-27-4 654290-28-5
654290-29-6 654290-30-9 654290-31-0 654290-32-1 654290-33-2
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654290-39-8 654290-40-1 654290-41-2 654290-42-3 654290-43-4
654290-44-5 654290-45-6 654290-46-7 654290-47-8 654290-48-9
654290-49-0 654290-50-3 654290-51-4 654290-52-5 654290-53-6
654290-54-7 654290-55-8 654290-56-9 654290-57-0 654290-58-1
654290-59-2 654290-60-5 654290-61-6 654290-62-7 654290-63-8
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(nucleotide sequence; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT 654290-64-9 654290-65-0 654290-66-1 654290-67-2 654290-68-3
654290-69-4 654290-70-7 654290-71-8 654290-72-9 654290-73-0
654290-74-1 654290-75-2 654290-76-3 654290-77-4 654290-78-5
654290-79-6 654290-80-9 654290-81-0 654290-82-1 654290-83-2
654290-84-3 654290-85-4 654290-86-5 654290-87-6 654290-88-7
654290-89-8 654290-90-1 654290-91-2 654290-92-3 654290-93-4
654290-94-5 654290-95-6 654290-96-7 654290-97-8 654290-98-9
654290-99-0 654291-00-6 654291-01-7 654291-02-8
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(nucleotide sequence; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT 9016-18-6, Carboxylesterase
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(p62/CE; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT 140879-24-9, Proteasome
RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(subunit β5; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

IT 654306-82-8 654306-83-9 654306-84-0 654306-85-1 654306-86-2
654306-87-3 654306-88-4 654306-89-5 654306-90-8 654306-91-9
654306-92-0
RL: PRP (Properties)
(unclaimed protein sequence; genes overexpressed in adipocytes and their use in diagnosis and treatment of adipose tissue disorders)

L60 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1999:454275 HCAPLUS
DN 131:97583
ED Entered STN: 26 Jul 1999
TI Method and apparatus for **high density** format screening for bioactive molecules
IN Terry, Bernard Robert; Scudder, Kurt Marshall; Arkhammer, Per Olaf Gunnar; Thastrup, Ole
PA Novo Nordisk A/S, Den.

SO PCT Int. Appl., 63 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM G01N033-52
ICS G01N033-50; G01N033-543; G01N033-53
CC 1-1 (**Pharmacology**)
Section cross-reference(s): 9
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9935496	A1	19990715	WO 1999-IB121	19990108 <--
W: AL, AU, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LU, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9918872	A1	19990726	AU 1999-18872	19990108 <--
EP 1047939	A1	20001102	EP 1999-900262	19990108 <--
EP 1047939	B1	20041006		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 6790652	B1	20040914	US 1999-227518	19990108 <--
AT 278954	E	20041015	AT 1999-900262	19990108 <--
US 2005112697	A1	20050526	US 2003-725463	20031203 <--
US 2004185432	A1	20040923	US 2004-815747	20040402 <--
PRAI US 1998-70792P	P	19980108 <--		
US 1999-227518	A1	19990108 <--		
WO 1999-IB121	W	19990108 <--		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 9935496	ICM	G01N033-52
	ICS	G01N033-50; G01N033-543; G01N033-53
WO 9935496	ECLA	G01N033/50D2; G01N033/52C; G01N033/53; G01N033/543K4<--
US 6790652	NCL	435/287.700; 422/050.000; 422/051.000; 422/052.000; 422/055.000; 422/056.000; 422/058.000; 422/068.100; 422/069.000; 422/081.000; 422/082.050; 422/082.070; 422/101.000; 435/004.000; 435/007.200; 435/007.920; 435/177.000; 435/178.000; 435/179.000; 435/180.000; 435/182.000; 435/286.100; 435/287.100; 435/395.000; 435/401.000; 436/034.000; 436/055.000; 436/147.000; 436/162.000; 436/164.000; 436/165.000; 436/169.000; 436/172.000; 436/174.000; 436/501.000; 436/800.000; 436/809.000; 436/815.000
	ECLA	G01N033/50D2; G01N033/52C; G01N033/53; G01N033/543K4<--
US 2005112697	NCL	435/007.200
	ECLA	G01N033/50D2; G01N033/52C; G01N033/53; G01N033/543K4<--
US 2004185432	NCL	435/004.000
	ECLA	G01N033/50D2 <--

AB A method and apparatus for screening an array of test compds. for bioactivity by contacting an array of test compds. with a detector layer capable of detecting bioactivity, and detecting a detector layer response. The detector layer is comprised of physiol. viable cells. The method and apparatus allow a large number of test compds. to be simultaneously assayed in parallel without the need for complex fluidic devices.

ST high density format screening bioactive mol; app screening bioactive mol
IT Animal cell line
(BHKhM1; high d. format screening for bioactive mols.)
IT G protein-coupled receptors
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(Gq; high d. format screening for bioactive mols.)
IT Muscarinic receptors

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(M1; high d. format screening for bioactive mols.)
IT Proteins, specific or class
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(green fluorescent, fusion products with cAMP-dependent protein kinase catalytic subunit; high d. format screening for bioactive mols.)
IT Apparatus
Cell
Combinatorial chemistry
Computer application
Diffusion
Drug screening
Fluorometry
Gel electrophoresis
Luminescence spectroscopy
Membranes, nonbiological
Sensors
(high d. format screening for bioactive mols.)
IT Mitochondria
(mitochondrial potential; high d. format screening for bioactive mols.)
IT pH
(pH-sensing surface; high d. format screening for bioactive mols.)
IT Scintillators
(scintillant plastic; high d. format screening for bioactive mols.)
IT Plastics, biological studies
RL: BUU (Biological use, unclassified); DEV (Device component use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(scintillant; high d. format screening for bioactive mols.)
IT Temperature sensors
(temperature-sensing surface; high d. format screening for bioactive mols.)
IT Gel electrophoresis
(two-dimensional; high d. format screening for bioactive mols.)
IT 370-86-5, FCCP 462-58-8, Carbamylcholine **56092-81-0**, Ionomycin **67526-95-8**, Thapsigargin
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(high d. **format** screening for bioactive mols.)
IT 60-92-4, CAMP 7440-70-2, Calcium, biological studies 142008-29-5D, CAMP-dependent protein kinase, fusion products with green fluorescent protein
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(high d. format screening for bioactive mols.)
IT 3520-43-2, JC-1 121714-22-5
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(high d. format screening for bioactive mols.)
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Bunsen Rush Lab Inc; WO 9402515 A 1994 HCAPLUS
(2) Eastman Kodak Co; EP 0653637 A 1995 HCAPLUS
(3) Pb Diagnostic Systems Inc; WO 9119187 A 1991 HCAPLUS
(4) Pharmacopeia Inc; WO 9716569 A 1997 HCAPLUS

L60 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1982:64508 HCAPLUS
DN 96:64508
ED Entered STN: 12 May 1984
TI Inhibitors of **sterol** biosynthesis. Carbon-13 nuclear magnetic resonance studies of 9α-fluoro-5α-cholest-8(14)-en-3β-ol-15-one and related compounds
AU Tsuda, Mitsuhiro; Schroepfer, George J., Jr.
CS Dep. Biochem., Rice Univ., Houston, TX, 77001, USA
SO Journal of Lipid Research (**1981**), 22(8), 1188-97

CODEN: JLPRAW; ISSN: 0022-2275
DT Journal
LA English
CC 6-5 (General Biochemistry)
Section cross-reference(s): 1, 32
AB The natural abundance 13C NMR spectra of a number of 9α-fluoro and 9α-hydroxy-Δ8(14)-15-keto sterols and their derivs. were studied. Peak assignments for individual carbons of 9α-fluoro-5α-cholest-8(14)-en-3β-ol-15-one, 9α-hydroxy-5α-cholest-8(14)-en-3β-ol-15-one, 5α-cholest-8(14)-ene-3,15-dione, 9α-fluoro-5α-cholest-8(14)-ene-3,15-dione, 9α-hydroxy-5α-cholest-8(14)-ene-3,15-dione, 3β-benzoyloxy-5α-cholest-8(14)-en-15-one, 3β-benzoyloxy-9α-fluoro-5α-cholest-8(14)-en-15-one, 3β-benzoyloxy-5α-cholest-8(14)-en-9α-ol-15-one, 3β-acetoxy-9α-fluoro-5α-cholest-8(14)-en-15-one and 3β-acetoxy-5α-cholest-8(14)-en-9α-ol-15-one were made. Also presented are: (1) considerations of the substituent effects of the 9α-hydroxy and 9α-fluoro groups on C shieldings, (2) demonstration that the state of oxidation at C-3 in the various Δ8(14)-15-keto steroids affects the olefinic C shieldings due to an apparent long range through space effect of the elec. field on the olefinic C shieldings, (3) the results of analyses of 13C-19F spin-spin couplings, and (4) the results of considerations of 13C NMR studies of the concerned compds. with respect to the conformation of ring B in the various 9α-substituted sterols.
ST NMR fluorocholestenolone deriv; sterol formation inhibitor structure property; structure property fluorocholestenolone deriv
IT Nuclear magnetic resonance
(of carbon-13, in fluorocholestenolone derivs.)
IT **Screening, electronic and nuclear**
(of carbon-13, in steroids)
IT Molecular structure-property relationship
(NMR, of fluorocholestenolone derivs.)
IT **Steroids, biological studies**
RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative)
(hydroxy, **formation** of, inhibitors of, NMR of)
IT 7654-37-7 62324-20-3 72584-37-3 72584-38-4 73765-13-6 73765-14-7 73765-15-8 74498-82-1 74498-83-2 74498-84-3
RL: PRP (Properties)
(NMR of)

=> b medl

FILE 'MEDLINE' ENTERED AT 16:59:28 ON 15 SEP 2005

FILE LAST UPDATED: 14 SEP 2005 (20050914/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MeSH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP RLOAD at an arrow promt (=>). See also:

http://www.nlm.nih.gov/mesh/
http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d all l83 tot

L83 ANSWER 1 OF 12 MEDLINE on STN
AN **2005113488** MEDLINE
DN PubMed ID: 15743174
TI Identification of 2-(4-benzyloxyphenyl)-N- [1-(2-pyrrolidin-1-yl-ethyl)-1H-indazol-6-yl]acetamide, an orally efficacious melanin-concentrating hormone receptor 1 antagonist for the treatment of obesity.
AU Souers Andrew J; Gao Ju; Brune Michael; Bush Eugene; Wodka Dariusz; Vasudevan Anil; Judd Andrew S; Mulhern Mathew; Brodjian Sevan; Dayton Brian; Shapiro Robin; Hernandez Lisa E; Marsh Kennan C; Sham Hing L; Collins Christine A; Kym Philip R
CS Metabolic Disease Research, Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL 60064, USA.. andrew.souers@abbott.com
SO Journal of medicinal chemistry, (2005 Mar 10) 48 (5) 1318-21.
Journal code: 9716531. ISSN: 0022-2623.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200504
ED Entered STN: 20050304
Last Updated on STN: 20050412
Entered Medline: 20050411
AB Optimization of a **high-throughput screening** hit against melanin-concentrating hormone receptor 1 (MCHr1) led to the discovery of 2-(4-benzyloxy-phenyl)-N-[1-(2-pyrrolidin-1-yl-ethyl)-1H-indazol-6-yl]acetamide (7a). This compound was found to be a high-affinity ligand for MCHr1 and a potent inhibitor of MCH-mediated Ca(2+) release, showed good plasma and CNS exposure upon oral dosing in diet-induced obese mice, and is the first reported MCHr1 antagonist that is efficacious upon oral dosing in a chronic model of weight loss.
CT *Acetamides: CS, chemical synthesis
Acetamides: PK, pharmacokinetics
Acetamides: PD, pharmacology
Administration, Oral
Animals
***Anti-Obesity Agents: CS, chemical synthesis**
Anti-Obesity Agents: PK, pharmacokinetics
Anti-Obesity Agents: PD, pharmacology
Binding, Competitive
Brain: ME, metabolism
Calcium: ME, metabolism
Chronic Disease
*Indazoles: CS, chemical synthesis
Indazoles: PK, pharmacokinetics
Indazoles: PD, pharmacology
Mice
*Obesity: DT, drug therapy
*Pyrrolidines: CS, chemical synthesis
Pyrrolidines: PK, pharmacokinetics
Pyrrolidines: PD, pharmacology
Radioligand Assay
*Receptors, Somatostatin: AI, antagonists & inhibitors
Structure-Activity Relationship
Tissue Distribution
RN 7440-70-2 (Calcium)
CN 0 (2-(4-benzyloxyphenyl)-N-(1-(2-pyrrolidin-1-ylethyl)-1H-indazol-6-yl)acetamide); 0 (Acetamides); 0 (Anti-Obesity Agents); 0 (Gpr24 protein, mouse); 0 (Indazoles); 0 (Pyrrolidines); 0 (Receptors, Somatostatin)

L83 ANSWER 2 OF 12 MEDLINE on STN
AN **2005086830** MEDLINE
DN PubMed ID: 15715465
TI Application of a flexible synthesis of (5R)-thiolactomycin to develop new inhibitors of type I fatty acid synthase.
AU McFadden Jill M; Medghalchi Susan M; Thupari Jagan N; Pinn Michael L;

Vadlamudi Aravinda; Miller Katherine I; Kuhajda Francis P; Townsend Craig A

CS Department of Chemistry, Johns Hopkins University, Baltimore, Maryland 21218, USA.

NC 1R43DK65423 (NIDDK)
1R44CA99435 (NCI)
CA91632 (NCI)
SO Journal of medicinal chemistry, (2005 Feb 24) 48 (4) 946-61.
Journal code: 9716531. ISSN: 0022-2623.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200504
ED Entered STN: 20050218
Last Updated on STN: 20050406
Entered Medline: 20050405

AB Fatty acid synthase (FAS) catalyzes the synthesis of palmitate from the sequential condensation of an acetyl primer with two carbon units added from malonyl-CoA. Inhibition of the beta-ketoacyl synthase domain of mammalian FAS leads to selective cytotoxicity to various cancer cell lines in vitro and in vivo. Also, inhibitors of FAS can cause reduced food intake and body weight in mice. Naturally occurring thiolactomycin (TLM) was used as a template to develop a new class of type I FAS inhibitors. Using a flexible synthesis, families of TLM structural analogues were obtained that possess selective FAS activity and display anticancer and weight loss effects. Compounds 13a and 13d inhibit pure FAS (ZR-75-1 breast cancer, IC(50) = <or=20 microg/mL), are nontoxic (MCF-7, IC(50) = >50 microg/mL), and display effective weight loss in BalbC mice (>5%). Another subclass of TLM derivatives (23b-d, 31a) exhibits FAS activity (IC(50) = <or=15 microg/mL), causes weight loss (>5%), and is cytotoxic to cancer cells (IC(50) < 38 microg/mL). Finally, a third subclass (16b, 29, 30) is also active against FAS (IC(50) = <or=20 microg/mL), is cytotoxic to cancer cells (IC(50) < 25 mg/mL), and does not cause weight loss in BalbC mice. These studies identify thiolactomycin as a promising template for the development of new selective cancer and obesity treatments.

CT Animals
***Anti-Obesity Agents: CS, chemical synthesis**
Anti-Obesity Agents: CH, chemistry
Anti-Obesity Agents: PD, pharmacology
*****Antineoplastic Agents: CS, chemical synthesis
Antineoplastic Agents: CH, chemistry
Antineoplastic Agents: PD, pharmacology
Body Weight: DE, drug effects
Cell Line, Tumor
Drug Screening Assays, Antitumor
*****Fatty Acid Synthetase Complex: AI, antagonists & inhibitors
Fatty Acid Synthetase Complex: CH, chemistry
Humans
Mice
Mice, Inbred BALB C
Models, Molecular
Research Support, Non-U.S. Gov't
Research Support, U.S. Gov't, P.H.S.
Stereoisomerism
Structure-Activity Relationship
*****Thiophenes: CS, chemical synthesis
Thiophenes: CH, chemistry
Thiophenes: PD, pharmacology

RN 82079-32-1 (thiolactomycin)
CN 0 (Anti-Obesity Agents); 0 (Antineoplastic Agents); 0 (Thiophenes); EC 6.- (Fatty Acid Synthetase Complex)

L83 ANSWER 3 OF 12 MEDLINE on STN
AN **2004577939** MEDLINE
DN PubMed ID: 15554263

TI Determination of the kinetic properties of platycodin D for the inhibition of pancreatic lipase using a 1,2-diglyceride-based colorimetric assay.
AU Zhao Hai Lin; Kim Yeong Shik
CS Natural Products Research Institute, College of Pharmacy, Seoul National University, Seoul 110-460, Korea.
SO Archives of pharmacal research, (2004 Oct) 27 (10) 1048-52.
Journal code: 8000036. ISSN: 0253-6269.
CY Korea (South)
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200503
ED Entered STN: 20041123
Last Updated on STN: 20050319
Entered Medline: 20050318
AB A 1, 2-diglyceride-based multi-step colorimetric assay to measure the pancreatic lipase activity was applied for the determination of the kinetic profiles of the lipase inhibition with a slight modification and the validity verification. With this assay method, our study revealed that platycodin D, one of major constituents of Platycodi Radix, inhibits the pancreatic lipase activity in a competitive type, with the value of Kl being 0.18 +/- 0.02 mM. In addition, PD has affected the values of Km,app and Kcat/Km in a dose- dependent manner. The results shed a meaningful light on how PD mediates lipid metabolism in the intestinal tracts. On the other hand, since the revised assay is sensitive, rapid, and does not affect the accuracy to the kinetic properties, it is applicable not only to evaluation of the kinetic properties of the pancreatic lipase, but also to **high-throughput screening** of pancreatic lipase activity.
CT **Anti-Obesity Agents: CH, chemistry**
***Anti-Obesity Agents: PD, pharmacology**
Antilipemic Agents: CH, chemistry
*Antilipemic Agents: PD, pharmacology
Carbohydrate Sequence
Colorimetry
Enzyme Inhibitors: CH, chemistry
*Enzyme Inhibitors: PD, pharmacology
Indicators and Reagents
Kinetics
Molecular Sequence Data
*Pancrelipase: AI, antagonists & inhibitors
Pancrelipase: CH, chemistry
Reproducibility of Results
Research Support, Non-U.S. Gov't
Saponins: CH, chemistry
*Saponins: PD, pharmacology
Triterpenes: CH, chemistry
*Triterpenes: PD, pharmacology
RN 53608-75-6 (Pancrelipase); 58479-68-8 (platycodin D)
CN 0 (Anti-Obesity Agents); 0 (Antilipemic Agents); 0 (Enzyme Inhibitors); 0 (Indicators and Reagents); 0 (Saponins); 0 (Triterpenes)

L83 ANSWER 4 OF 12 MEDLINE on STN
AN **2004436179** MEDLINE
DN PubMed ID: 15341942
TI Synthesis and evaluation of 2-amino-8-alkoxy quinolines as MCHr1 antagonists. Part 1.
AU Souers Andrew J; Wodka Dariusz; Gao Ju; Lewis Jared C; Vasudevan Anil; Gentles Robert; Brodjian Sevan; Dayton Brian; Ogiela Christopher A; Fry Dennis; Hernandez Lisa E; Marsh Kennan C; Collins Christine A; Kym Philip R
CS Metabolic Diseases Research, Global Pharmaceutical Research and Development, Abbott Laboratories, Abbott Park, IL 60064, USA..
andrew.souers@abbott.com
SO Bioorganic & medicinal chemistry letters, (2004 Oct 4) 14 (19) 4873-7.
Journal code: 9107377. ISSN: 0960-894X.

CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200503
ED Entered STN: 20040903
Last Updated on STN: 20050325
Entered Medline: 20050324
AB A **high-throughput screen** was performed in order to identify chemotypes that are bound by the melanin concentrating hormone receptor-1 (MCHr1). A novel 2-amino-8-alkoxyquinoline compound (1) was identified and subsequently optimized using a parallel and automated procedure for the rapid production of multiple analogs. The structure-activity relationships that emerged from this effort are described, along with selected pharmacokinetic parameters of compound (d)-61 when dosed orally in diet-induced obese mice.
CT Animals
***Anti-Obesity Agents: CS, chemical synthesis**
Mice
*Quinolines: CS, chemical synthesis
Quinolines: ME, metabolism
Quinolines: PD, pharmacology
*Receptors, Somatostatin: AI, antagonists & inhibitors
Receptors, Somatostatin: ME, metabolism
Structure-Activity Relationship
CN 0 (Anti-Obesity Agents); 0 (Gpr24 protein, mouse); 0 (Quinolines); 0 (Receptors, Somatostatin)

L83 ANSWER 5 OF 12 MEDLINE on STN
AN **2003282145** MEDLINE
DN PubMed ID: 12808876
TI Prospects for obesity treatment: MCH receptor antagonists.
AU Collins Christine A; Kym Philip R
CS Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL 60064, USA.
SO Current opinion in investigational drugs (London, England : 2000), (2003 Apr) 4 (4) 386-94. Ref: 75
Journal code: 100965718. ISSN: 1472-4472.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 200307
ED Entered STN: 20030618
Last Updated on STN: 20030718
Entered Medline: 20030717
AB The convergence of the orphan G protein-coupled receptor SLC-1 with its orexigenic neuropeptide ligand melanin-concentrating hormone (MCH) in 1999 stimulated considerable research activity aimed at characterizing the role of this receptor system in the regulation of body weight. A solid body of genetic and pharmacological evidence now supports a role for MCH in the modulation of food intake and energy expenditure. **High-throughput screening** efforts have led to the identification of small molecule MCH receptor antagonists with diverse structural features and drug-like properties. In vivo results with two of these antagonists indicate efficacy in several animal models of body weight regulation and feeding behavior. Based on these preclinical findings, it is likely that reports from clinical studies of MCH antagonists will soon be forthcoming.
CT Amino Acid Sequence
Animals
***Anti-Obesity Agents: PD, pharmacology**
Anti-Obesity Agents: TU, therapeutic use
Body Weight: PH, physiology
Humans

*Hypothalamic Hormones: AI, antagonists & inhibitors
Hypothalamic Hormones: PH, physiology
*Melanins: AI, antagonists & inhibitors
Melanins: PH, physiology
Molecular Sequence Data
*Obesity: DT, drug therapy
Obesity: PP, physiopathology
*Pituitary Hormones: AI, antagonists & inhibitors
Pituitary Hormones: PH, physiology
RN 67382-96-1 (melanin-concentrating hormone)
CN 0 (Anti-Obesity Agents); 0 (Hypothalamic Hormones); 0 (Melanins); 0 (Pituitary Hormones)

L83 ANSWER 6 OF 12 MEDLINE on STN
AN **1998322719** MEDLINE
DN PubMed ID: 9658583
TI Obesity genes: molecular genetic approaches to drug target identification.
AU Grippo J F; Burn P
CS Department of Metabolic Diseases, Hoffmann-La Roche Inc., Nutley, NJ 07110, USA.
SO Farmaco (Societa chimica italiana : 1989), **(1998 Apr)** 53 (4) 262-5. Ref: 34
Journal code: 8912641. ISSN: 0014-827X.
CY Italy
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 199807
ED Entered STN: 19980731
Last Updated on STN: 19980731
Entered Medline: 19980723
AB The environment for developing novel therapeutic agents has undergone dramatic change over the past decade. Innovative strategies for identifying and utilizing molecular targets linked to particular human diseases are replacing the classic approach of screening chemical compounds for potential therapeutic action on unknown targets. Since genetic components are involved in many known diseases, mouse and human genetics, positional cloning and other molecular biology-based approaches are now used to identify genes that are associated with these diseases. It is thought that identification of these disease-linked genes may lead to the discovery and understanding of the physiologically relevant biochemical pathways underlying the disease processes. Clearly, a knowledge of these biochemical pathways will provide future molecular targets, enzymes or receptors, that will offer opportunities to apply modern methods of **high throughput screening**, medicinal chemistry, parallel synthesis and combinatorial chemistry for drug discovery. In this manuscript, we illustrate how mouse genetics and molecular biology-based approaches have led to the identification of all five known single gene mutations that cause obesity in mice. Additionally, we describe how identification of these genes has helped unravel underlying biochemical pathways that regulate behavioral, metabolic and neuroendocrine responses in rodents.
CT Animals
Energy Metabolism
Gene Targeting
Humans
Mice
Mice, Obese
Mutation
Obesity: DT, drug therapy
***Obesity: GE, genetics**

L83 ANSWER 7 OF 12 MEDLINE on STN
AN 92001575 MEDLINE

DN PubMed ID: 1832940
TI Sexual difference and organ specificity of the effect of estradiol on **carbonic anhydrase** and Mg(2+)-HCO3(-)-ATPase activities isolated from duodenal mucosa and kidney cortex of male and female rats: preliminary study with crude enzyme samples.
AU Suzuki S; Takamura S; Yoshida J; Ozaki N; Niwa O
CS Department of Pharmacology, Kanazawa Medical University, Ishikawa, Japan.
SO Journal of steroid biochemistry and molecular biology, (1991 Sep) 39 (3) 303-13.
Journal code: 9015483. ISSN: 0960-0760.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199110
ED Entered STN: 19920124
Last Updated on STN: 19920124
Entered Medline: 19911030
AB Effects of the s.c. administration of various doses of estradiol propionate (E.P.; 25-500 micrograms/kg) on the activities of **carbonic anhydrase** (CA), Mg(2+)-dependent ATPase and Mg(2+)-dependent, HCO3(-)-stimulated ATPase (Mg(2+)-HCO3(-)-ATPase) in rat duodenal mucosa and kidney cortex, and on body weight, organ weight and serum concentrations of testosterone and estradiol-17 beta, were examined in adult male, female, testectomized and ovariectomized rats. In normal male rats, activities of cytosol CA and brush border Mg(2+)-HCO3(-)-ATPase in the kidney were increased in a dose-dependent manner and reached 1.6- and 2-fold of controls, respectively, after consecutive administration (daily for 7 days) of 500 micrograms E.P. with no changes in either enzyme activities in duodenal mucosa. The positive correlations (P less than 0.01) were observed by linear regression analysis between serum concentration of estradiol-17 beta and kidney cytosol CA or kidney brush border Mg(2+)-HCO3(-)-ATPase activities. In normal female rats, activities of cytosol CA and brush border Mg(2+)-HCO3(-)-ATPase in the duodenal mucosa, and brush border Mg(2+)-HCO3(-)-ATPase activity in the kidney were increased by E.P. administration (100 and 500 micrograms/kg, daily for 7 days), however, kidney cytosol CA activity did not change by any dosage. Behavior of a part of both enzymes to E.P. in testectomized rats was altered almost in the same way to that observed in normal female rats and vice versa in ovariectomized rats. Body weight was decreased, in general, by consecutive administration of E.P. in a dose-dependent manner, and kidney weight was increased by E.P. in both male and female rats.
CT Check Tags: Female; Male
Animals
Body Weight
*Ca(2+) Mg(2+)-ATPase: ME, metabolism
***Carbonic Anhydrases: ME, metabolism**
*Duodenum: EN, enzymology
*Estradiol: PH, physiology
*Intestinal Mucosa: EN, enzymology
*Kidney Cortex: EN, enzymology
Microvilli: EN, enzymology
Orchiectomy
Organ Size
Ovariectomy
Radioimmunoassay
Rats
Rats, Inbred Strains
Reference Values
*Sex Characteristics
Substrate Specificity
RN 50-28-2 (Estradiol)
CN EC 3.6.1.- (Ca(2+) Mg(2+)-ATPase); EC 3.6.1.- (magnesium-bicarbonate ATPase); **EC 4.2.1.1 (Carbonic Anhydrases)**

L83 ANSWER 8 OF 12 MEDLINE on STN
AN 90119488 MEDLINE
DN PubMed ID: 2105051
TI Comparative distribution of **carbonic anhydrase** isozymes III and **II** in rodent tissues.
AU Spicer S S; Ge Z H; Tashian R E; Hazen-Martin D J; Schulte B A
CS Department of Pathology and Laboratory Medicine, Medical University of South Carolina, Charleston 29425.
SO American journal of anatomy, (1990 Jan) 187 (1) 55-64.
Journal code: 0376312. ISSN: 0002-9106.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199002
ED Entered STN: 19900328
Last Updated on STN: 19900328
Entered Medline: 19900212
AB **Carbonic anhydrase** (CA) III was demonstrated immunocytochemically in epithelium in some regions of salivary gland ducts, colon, bronchi, and male genital tract and in adipocytes, in addition to skeletal muscle and liver where the isozyme was previously localized. Basal cells beneath the submandibular gland's excretory ducts in guinea pig stained for CA III. **Carbonic anhydrase** III occurred alone in some and with CA **II** in other sites but was often absent from CA-**II**-containing types of cells. This was exemplified by CA III's abundance in CA-**II**-positive proximal colon and its sparsity in the CA-**II**-rich distal colon of the mouse. Striated ducts in guinea pig, but not mouse salivary glands, stained darker for CA and appeared accordingly to function more actively in ion transport compared with excretory ducts. **Carbonic anhydrase** content varied among genera in liver and pancreas and between mouse species and strains in salivary glands and kidney. Newly observed murine sites of CA **II** activity included Auerbach's plexus and a population of leukocytes infiltrating the lamina propria in small intestine, and several types of cells in the male genital tract. In immunoblot tests, antisera to CA III showed no cross reactivity with antisera to CA **II**, but those to CA **II** disclosed weak cross reactivity with CA III.
CT Check Tags: Comparative Study; Female; Male
Adipose Tissue: AN, analysis
Adipose Tissue: CY, cytology
Adipose Tissue: EN, enzymology
Animals
Carbonic Anhydrases: AN, analysis
***Carbonic Anhydrases: PK, pharmacokinetics**
Genitalia, Male: AN, analysis
Genitalia, Male: EN, enzymology
Guinea Pigs
Immunoblotting
Intestines: AN, analysis
*Intestines: EN, enzymology
Kidney: AN, analysis
Kidney: EN, enzymology
Liver: AN, analysis
*Liver: EN, enzymology
Lung: AN, analysis
Lung: EN, enzymology
Mice
Mice, Inbred C57BL
Muridae
Muscles: AN, analysis
Muscles: EN, enzymology
Pancreas: AN, analysis
*Pancreas: EN, enzymology
Rats

Salivary Glands: AN, analysis
*Salivary Glands: EN, enzymology
Tissue Distribution
CN **EC 4.2.1.1 (**
Carbonic Anhydrases)

L83 ANSWER 9 OF 12 MEDLINE on STN
AN **87240056** MEDLINE
DN PubMed ID: 3592617
TI Screening of drugs for thermogenic anti-obesity properties: antidepressants.
AU Dulloo A G; Miller D S
SO Annals of nutrition & metabolism, **(1987)** 31 (2) 69-80.
Journal code: 8105511. ISSN: 0250-6807.
CY Switzerland
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198707
ED Entered STN: 19900305
Last Updated on STN: 19900305
Entered Medline: 19870702
AB Twelve antidepressant drugs, currently in clinical use, were screened for thermogenic properties on the basis of their ability to stimulate the activity of the sympathetic nervous system via an inhibitory effect on noradrenaline reuptake into the sympathetic neurons. **Drug screening** was carried out on mice made obese by hypothalamic lesioning using monosodium glutamate. Preliminary experiments, based on changes in body weight and food intake in response to increased doses of the drugs, indicate that most of the twelve antidepressants possess thermogenic potential. In particular, butriptyline, protriptyline and nortriptyline were most effective in causing marked losses in body weight without altering the food intake of the mice. The potent anti-obesity thermogenic properties of these three antidepressants were confirmed during a 10-week energy balance study involving measurements of energy expenditure over the entire period by the comparative carcass method, as well as by measurement of 24 h oxygen consumption. These studies indicate that the methodology employed in the preliminary screening is valid for identifying drugs with thermogenic potential, and demonstrate that many antidepressants currently in clinical use have marked thermogenic properties, and could therefore influence the nutritional status of patients under drug therapy.
CT Animals
Antidepressive Agents: AD, administration & dosage
*Antidepressive Agents: PD, pharmacology
Body Weight: DE, drug effects
Drug Evaluation, Preclinical
*Energy Metabolism: DE, drug effects
Mice
Mice, Inbred Strains
***Obesity: DT, drug therapy**
Oxygen Consumption: DE, drug effects
Parasympatholytics: AD, administration & dosage
Parasympatholytics: PD, pharmacology
Research Support, Non-U.S. Gov't
CN 0 (Antidepressive Agents); 0 (Parasympatholytics)

L83 ANSWER 10 OF 12 MEDLINE on STN
AN 83044339 MEDLINE
DN PubMed ID: 6753451
TI Monitoring acetazolamide treatment.
AU Alm A; Berggren L; Hartvig P; Roosdorp M
SO Acta ophthalmologica, (1982 Feb) 60 (1) 24-34.
Journal code: 0370347. ISSN: 0001-639X.
CY Denmark
DT Journal; Article; (JOURNAL ARTICLE)

LA English
FS Priority Journals
EM 198212
ED Entered STN: 19900317
Last Updated on STN: 19900317
Entered Medline: 19821216
AB Electron capture gas chromatography was used to determine plasma concentrations after various doses of acetazolamide. In 40 patients steady state plasma concentrations were determined for daily doses of 187.5, 375, 750, and 1000 mg. Mean plasma concentrations increased with increasing dosages but there were marked interindividual variations. Part of the interindividual variation was explained by a positive correlation between age and plasma concentration. In 10 patients with previously untreated glaucoma intraocular pressure (IOP) responses and plasma concentrations were determined for increasing doses of acetazolamide. Increasing IOP reductions were obtained up to a dose of 750 mg while a daily dose of 1000 mg acetazolamide had no further effect on IOP. The relationship between IOP reduction and plasma concentration showed great interindividual variations, from a pressure reduction of 11 mmHg at 6 micrograms/ml acetazolamide to a pressure reduction of 0 mmHg at 11 micrograms/ml. As a rule, the maximal effect on IOP was obtained at a plasma concentration between 5 and 10 micrograms/ml. In most patients a daily dose of 1000 mg resulted in plasma concentrations above 10 micrograms/ml.
CT Check Tags: Female; Male
*Acetazolamide: BL, blood
Acetazolamide: TU, therapeutic use
Age Factors
Aged
Body Weight
Carbonic Anhydrase Inhibitors: BL, blood
Carbonic Anhydrase Inhibitors: TU, therapeutic use
Chromatography, Gas
Dose-Response Relationship, Drug
*Glaucoma: DT, drug therapy
Humans
Immunoenzyme Techniques
Intraocular Pressure: DE, drug effects
Middle Aged
RN **59-66-5 (Acetazolamide)**
CN 0 (**Carbonic Anhydrase** Inhibitors)

L83 ANSWER 11 OF 12 MEDLINE on STN
AN 79195071 MEDLINE
DN PubMed ID: 109495
TI The immunohistolocalization of **carbonic anhydrase** in rodent tissues.
AU Spicer S S; Stoward P J; Tashian R E
SO journal of histochemistry and cytochemistry : official journal of the Histochemistry Society, (1979 Apr) 27 (4) 820-31.
Journal code: 9815334. ISSN: 0022-1554.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 197909
ED Entered STN: 19900315
Last Updated on STN: 19900315
Entered Medline: 19790901
AB **Carbonic anhydrase** has been localized with an immunoenzyme bridge technique in the following sites in paraffin sections of fixed rodent tissues: gastric parietal cells, the brush border of enterocytes in the small intestine, superficial nongoblet cells of the colon, selective segments of the nephron, glial cells, erythrocytes and adipose cells. Immunocytochemical localizations of **carbonic anhydrase** isozymes I and II in different histologic

sites, by means of affinity column purified antibodies, agreed with the distribution of these enzymes in the various sites, as indicated by immunologic assays. The immunocytochemical results are compared with those reported for the cobalt-bicarbonate cytochemical method and with biochemical knowledge of the occurence of **carbonic anhydrase.**

CT **Adipose Tissue: EN, enzymology**
Animals
***Carbonic Anhydrases: AN, analysis**
Colon: EN, enzymology
Erythrocytes: EN, enzymology
Gastric Mucosa: EN, enzymology
Histocytochemistry
Humans
Immunodiffusion
Immunoenzyme Techniques
Intestine, Small: EN, enzymology
Mice
Microvilli: EN, enzymology
Nephrons: EN, enzymology
Neuroglia: EN, enzymology
Rats
Research Support, U.S. Gov't, P.H.S.

CN **EC 4.2.1.1 (**
Carbonic Anhydrases)

L83 ANSWER 12 OF 12 MEDLINE on STN
AN 72265635 MEDLINE
DN PubMed ID: 4626676
TI Cord blood **carbonic anhydrase** B concentration and birth weight.
AU Shapira E; Ben-Yoseph Y; Schenker J; Russell A
SO Israel journal of medical sciences, (1972 Jul) 8 (7) 950-3.
Journal code: 0013105. ISSN: 0021-2180.
CY Israel
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 197210
ED Entered STN: 19900310
Last Updated on STN: 19900310
Entered Medline: 19721019
CT Check Tags: Female
Adult
***Birth Weight**
***Carbonic Anhydrases: BL, blood**
Erythrocytes: EN, enzymology
Humans
Immunoassay
Immunodiffusion
Infant, Newborn
Organ Size
Placenta: BS, blood supply
*Umbilical Cord: EN, enzymology
CN **EC 4.2.1.1 (**
Carbonic Anhydrases)

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